MultimediaConnect

CATALOG

Smart and simple cabling solutions



COPPER CABLING

FIBER CABLING

RACKS

member of the TKH Group

INNOVATION BACKGROUND FOR MANY YEARS

Since 1993, Multimedia Connect has been a structured cabling system manufacturer designing and producing communication solutions for intelligent buildings, that enhances IP convergence.

Quality & innovation are the directions chosen by Multimedia Connect to offer accurate cabling from Enterprise to Datacenter.





Headquarter



Bare fiber factory

INNOVATION

Since its creation, Multimedia Connect has always been at the forefront of product innovation. We were among the first manufacturers to certify a Category 6 connector (in 2002) and a Category 6a (ISO) connector (in 2010).
«In addition to the performance of our systems, our R&D efforts are focused on designing solutions which facilitate installers and end-users work».

KEEP IT SIMPLE

With Multimedia Connect, technology means simplicity. «We are pioneer in the development of tool less termination and our objective is to invent products and systems which are easy to install and easy to manage».

THE OPPORTUNITIES OF IP CONVERGENCE

The development of IP (Internet Protocol) in applications such as CCTV, Access Control, Public Address, Video, Audio ... means that structured cabling systems are now used in a large variety of new environments.

At Multimedia Connect, we have identified this fundamental trend of our industry and we are developing specific products and systems which facilitate the convergence between cabling infrastructures and these new IP applications.



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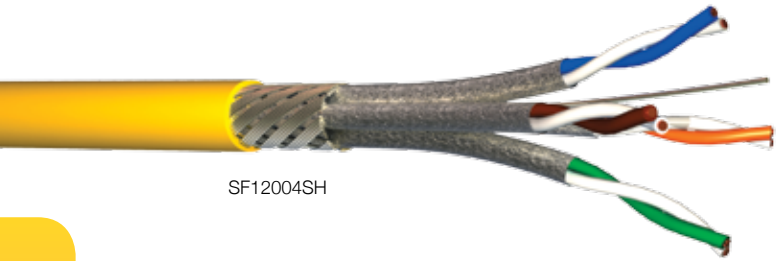
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CATEGORY 7A S/FTP SOLID CORE CABLE



SF12004SH

BENEFITS

- Performances up to 1200MHz for SF1200xSH
- Very high electromagnetic immunity
- Flame retardant
- Fire retardancy for the SF12004SHC1
- Electrical supply of equipments (camera, hotspot wifi, IP phone ...)

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 10G, 40G
- REMOTE POWER : POEP

STANDARDS

- CABLE : IEC 61156-5 CAT7A
- SYSTEM : ISO 11801 ED2.2 Class Fa
  EN 50173-1: 2011 Class Fa

CHARACTERISTICS

CONDUCTOR	2 x 4 AWG22 Solid Copper (SF1200xSH) 2 x 4 AWG23 Solid Copper (SF1000xSH)
INSULATION	Skin Foam Skin PE
ASSEMBLY	4 pairs twisted
SHIELDING	Individual Al/Pes Foil , overall tinned copper braid and drain wire
SHEATH	Yellow LSZH RAL 1021, (SF12004SHC1, LSZH Brown)

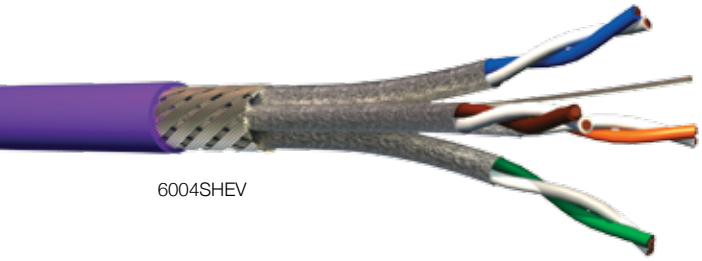
PROPERTIES

MECHANICAL	Bending Radius	8 x cable diameter
ELECTRICAL	Linear resistance	75 Ω/km
	Characteristic impedance	100 Ω
	Nominal velocity propagation	79%
	Coupling attenuation	80 dB
ENVIRONMENTAL	Operating temperature	-20°C to +60°C
	SF1200xSH fire rating SF1000xSH fire rating	IEC 60332-1
	SF12004SHC1 fire rating	IEC 60332-3 & C1 NFC 32070
	Smoke Emission	IEC 60754-1

ORDERING INFORMATION

ITEMS	PAIRS	SHIELD	SHEATH	OUTER DIAMETER (MM)	PACKAGING
SF12004SH5	4	S/FTP	LSZH	8.2	D500
SF12004SH10	4	S/FTP	LSZH	8.2	D1000
SF12008SH5	2 x 4	S/FTP	LSZH	8.2 x 16.8	D500
SF12004SHC1	4	S/FTP	LSZH	8.4	D1000
SF10004SH5	4	S/FTP	LSZH	7.9	D500
SF10008SH5	8	S/FTP	LSZH	7.9 x 16.1	D500

CATEGORY 7 S/FTP SOLID CORE CABLE



6004SHEV

BENEFITS

- Exceeds standard specifications
- Very high electromagnetic immunity
- Flame retardant
- Electrical supply of equipments (camera, hotspot wifi, IP phone ...)

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 10G
- REMOTE POWER : POEP

STANDARDS

- CABLE : IEC 61156-5 CAT7
- SYSTEM : ISO 11801 ED2.2 Class F
  EN 50173-1: 2011 Class F

CHARACTERISTICS

CONDUCTOR	2 x 4 AWG23 Solid Copper
INSULATION	Skin Foam Skin PE
ASSEMBLY	4 pairs twisted
SHIELDING	Individual Al/Pes Foil , overall tinned copper braid and drain wire
SHEATH	Violet LSZH RAL 4001

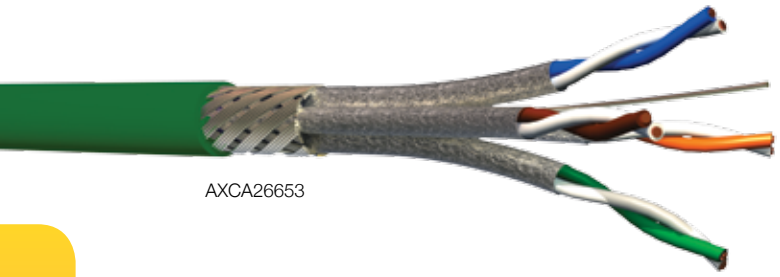
PROPERTIES

MECHANICAL	Bending Radius	8 x cable diameter
ELECTRICAL	Linear resistance	70 Ω/km
	Characteristic impedance	100 Ω
	Nominal velocity propagation	79%
	Coupling attenuation	80 dB
ENVIRONMENTAL	Operating temperature	-20°C to +70°C
	Fire rating	IEC 60332-1
	Smoke Emission	IEC 60754-1

ORDERING INFORMATION

ITEMS	PAIRS	SHIELD	SHEATH	OUTER DIAMETER (MM)	PACKAGING
60045SHEV	4	S/FTP	LSZH	7.6	D500
6004SHEV	4	S/FTP	LSZH	7.6	D1000
60085SHEV	2 x 4	S/FTP	LSZH	7.6 x 16	D500

CATEGORY 7 S/FTP SOLID CORE CABLE HARSH ENVIRONMENT



AXCA26653



BENEFITS

- Mechanically and electrically adapted to harsh environments
- Very high electromagnetic immunity
- Flame retardant
- Electrical supply of equipments (camera, hotspot wifi, IP phone ...)

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 10G , INDUSTRIAL NETWORK (PROFINET....)
- REMOTE POWER : POEP

STANDARDS

- CABLE : IEC 61156-5 CAT7
- SYSTEM : ISO 11801 ED2.2 Class F
  EN 50173-3: 2011 Class F
  ISO/IEC 24702

CHARACTERISTICS

CONDUCTOR	4 AWG23 Solid Copper
INSULATION	Skin Foam Skin PE
ASSEMBLY	4 pairs twisted
SHIELDING	Individual Al / Pes Foil, overall tinned copper braid and drain wire
SHEATH	Green PUR RAL 6017

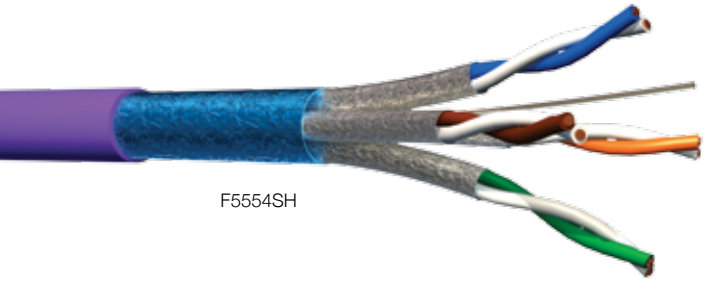
PROPERTIES

MECHANICAL	Bending Radius	8 x cable diameter
ELECTRICAL	Linear resistance	73 Ω/km
	Characteristic impedance	100 Ω
	Nominal velocity propagation	78%
	Coupling attenuation	80 dB
ENVIRONMENTAL	Operating temperature	-45°C to +65°C
	Fire rating	IEC 60332-1
	Smoke Emission	IEC 60754-1
	Resistant acc to standard	HD 22.10
	Chemical resistance	Oil and kerosene UV and ozone microbes and mould,salt water

ORDERING INFORMATION

ITEMS	PAIRS	SHIELD	SHEATH	OUTER DIAMETER (MM)	PACKAGING (M)
AXCA26653	4	S/FTP	PUR	7.6	D1000

CATEGORY 6A F/FTP SOLID CORE CABLE



F5554SH

BENEFITS

- Tested up to 555 MHz
- Very high electromagnetic immunity
- Flame retardant
- Electrical supply of equipments (camera, hotspot wifi, IP phone ...)

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 10G
- REMOTE POWER : POEP

STANDARDS

- CABLE : IEC 61156-5 CAT6A
- SYSTEM : ISO 11801 ED2.2 Class Ea
  EIA/TIA 568-C.2 CAT6A
  EN 50173-1: 2011 Class Ea

CHARACTERISTICS

CONDUCTOR	2 x 4 AWG23 Solid Copper
INSULATION	Skin Foam Skin PE
ASSEMBLY	4 pairs twisted
SHIELDING	Individual Al / Pes Foil, overall Al / Pes Foil and drain wire
SHEATH	Violet LSZH RAL 4001

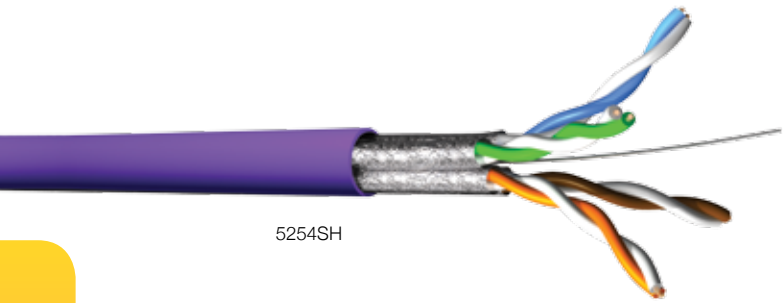
PROPERTIES

MECHANICAL	Bending Radius	8 x cable diameter
ELECTRICAL	Linear resistance	95 Ω/km
	Characteristic impedance	100 Ω
	Nominal velocity propagation	79%
	Coupling attenuation	75 dB
ENVIRONMENTAL	Operating temperature	-20°C to +70°C
	Fire rating	IEC 60332-1
	Smoke Emission	IEC 60754-1

ORDERING INFORMATION

ITEMS	PAIRS	SHIELD	SHEATH	OUTER DIAMETER	PACKAGING
F5554SH5	4	F/FTP	LSZH	7.4	D500
F5554SH10	4	F/FTP	LSZH	7.4	D1000
F5558SH5	2 x 4	F/FTP	LSZH	7.4 x 15.3	D500

CATEGORY 6A U/FTP SOLID CORE CABLE



5254SH

BENEFITS

- Tested up to 525 Mhz
- Electromagnetic immunity
- Flame retardant
- Electrical supply of equipments (camera, hotspot wifi, IP phone...)
- Available in 3 x 4 and 4 x 4 versions

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 10G
- REMOTE POWER : POEP

STANDARDS

- CABLE : IEC 61156-5 CAT6A
- SYSTEM : ISO 11801 ED2.2 Class Ea
  EIA/TIA 568-C.2 CAT6A
  EN 50173-1: 2011 Class Ea

CHARACTERISTICS

CONDUCTOR	2 x 4 AWG23 Solid Copper
INSULATION	Skin Foam Skin PE
ASSEMBLY	4 pairs twisted
SHIELDING	Individual Al / Pes Foil and drain wire
SHEATH	Violet LSZH RAL 4001

PROPERTIES

MECHANICAL	Bending Radius	8 x cable diameter
ELECTRICAL	Linear resistance	95 Ω/km
	Characteristic impedance	100 Ω
	Nominal velocity propagation	79%
	Coupling attenuation	70 dB
ENVIRONMENTAL	Operating temperature	-20°C to +70°C
	Fire rating	IEC 60332-1
	Smoke Emission	IEC 60754-1

ORDERING INFORMATION

ITEMS	PAIRS	SHIELD	SHEATH	OUTER DIAMETER	PACKAGING
5254SH5	4	U/FTP	LSZH	7.3	D500
5254SH10	4	U/FTP	LSZH	7.3	D1000
5258SH5	2 x 4	U/FTP	LSZH	7.3 x 15.2	D500
52512SH	3 x 4	U/FTP	LSZH	17.0	D500
52516SH	4 x 4	U/FTP	LSZH	19.5	D500

CATEGORY 6A U/FTP AWG26 SOLID CORE CABLE



P12525A26SH



BENEFITS

- Dedicated to datacenter applications
- Tested up to 525 Mhz
- Great space saving , thanks to his small diameter
- Flame retardant
- Available in 6 x 4 and 12 x 4 versions
- Electromagnetic immunity

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 10G

STANDARDS

- CABLE : IEC 61156-5 CAT6A up to 60 meters
- SYSTEM : ISO 11801 ED2.2 Class Ea up to 60 meters
  EIA/TIA 568-C.2 CAT6A up to 60 meters
  EN 50173-1: 2011 Class Ea up to 60 meters

CHARACTERISTICS

CONDUCTOR	2 x 4 AWG26 Solid Copper
INSULATION	Skin Foam Skin PE
ASSEMBLY	4 pairs twisted
SHIELDING	Individual Al / Pes Foil and drain wire
SHEATH	Grey LSZH RAL 7035 (P6/12 525A26SH,Violet RAL 4001)

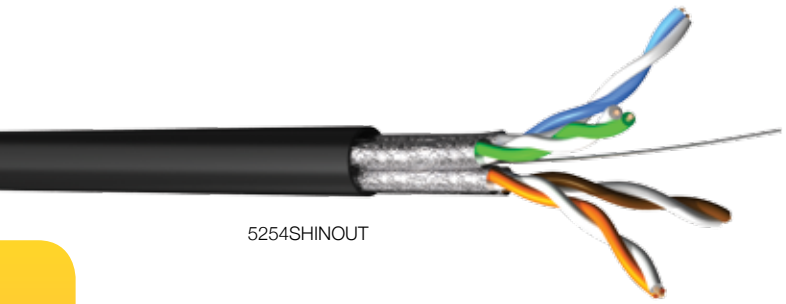
PROPERTIES

MECHANICAL	Bending Radius	8 x cable diameter
ELECTRICAL	Linear resistance	135 Ω/km
	Characteristic impedance	100 Ω
	Nominal velocity propagation	79%
	Coupling attenuation	70 dB
ENVIRONMENTAL	Operating temperature	-20°C to +70°C
	Fire rating	IEC 60332-1
	Smoke Emission	IEC 60754-1

ORDERING INFORMATION

ITEMS	PAIRS	SHIELD	SHEATH	OUTER DIAMETER(MM)	PACKAGING(M)
525A26SH	4	U/FTP	LSZH	5.7	D1000
P12525A26SH	12 x 4	U/FTP	LSZH	26.6	D200

CATEGORY 6A U/FTP SOLID CORE CABLE INDOOR OUTDOOR



5254SHINOUT

IN/OUT SMART RETARD

BENEFITS

- Resistant to water and UV, suitable for indoor and outdoor applications
- Dedicated to IP equipements such as Display, Cameras, Access controler, Biometric sensors....
- Electromagnetic immunity
- Flame retardant
- Tested up to 525 Mhz

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 10G
- REMOTE POWER : POEP

STANDARDS

- CABLE : IEC 61156-5 Cat6A
- SYSTEM : ISO 11801 ED2.2 Class Ea
  EIA/TIA 568-C.2 CAT6A
  EN 50173 Ed2.2 Class Ea

CHARACTERISTICS

CONDUCTOR	2 x 4 AWG23 Solid Copper
INSULATION	Skin Foam Skin PE
ASSEMBLY	4 pairs twisted
SHIELDING	Individual Al / Pes Foil and drain wire
SHEATH	Black LSZH with high grade protection

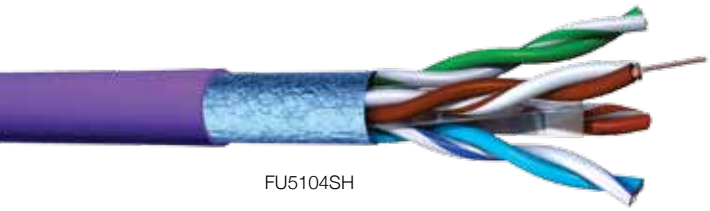
PROPERTIES

MECHANICAL	Bending Radius	8 x cable diameter
ELECTRICAL	Linear resistance	95 Ω/km
	Characteristic impedance	100 Ω
	Nominal velocity propagation	78%
	Coupling attenuation	65 dB
ENVIRONMENTAL	Operating temperature	-20°C to +70°C
	Fire rating	IEC 60332-1
	Smoke Emission	IEC 60754-1
	UV resistance	IEC 60068-2-5
	Ozone resistance	ASTM D-470
	Moisture resistance	CEI20-34

ORDERING INFORMATION

ITEM	PAIRS	SHIELD	SHEATH	OUTER DIAMETER(MM)	PACKAGING(M)
5254SHINOUT	4	U/FTP	LSZH	7.3	D500

CATEGORY 6A F/UTP SOLID CORE CABLE



FU5104SH

BENEFITS

- Tested up to 510 MHz
- Electromagnetic immunity
- Flame retardant
- Electrical supply of equipments (camera, hotspot wifi, IP phone ...)

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 10G
- REMOTE POWER : POEP

STANDARDS

- CABLE : IEC 61156-5 CAT6A
- SYSTEM : ISO 11801 ED2.2 Class Ea
  EIA/TIA 568-C.2 CAT6A
  EN 50173-1: 2011 Class Ea

CHARACTERISTICS

CONDUCTOR	2 x 4 AWG23 Solid Copper
INSULATION	PE Solid
ASSEMBLY	4 pairs twisted over a central PE cross
SHIELDING	Overall Al / Pes Foil and drain wire
SHEATH	Violet LSZH RAL 4001

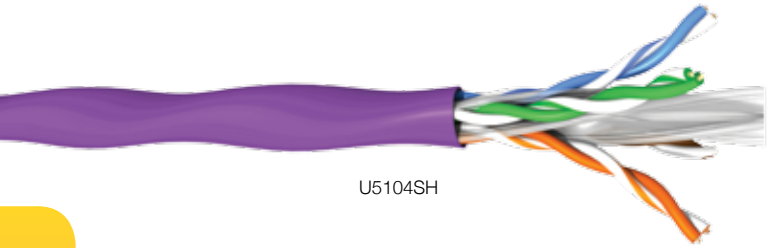
PROPERTIES

MECHANICAL	Bending Radius	8 x cable diameter
ELECTRICAL	Linear resistance	95 Ω/km
	Characteristic impedance	100 Ω
	Nominal velocity propagation	66%
	Coupling attenuation	65 dB
ENVIRONMENTAL	Operating temperature	-20°C to +70°C
	Fire rating	IEC 60332-1
	Smoke Emission	IEC 60754-1

ORDERING INFORMATION

ITEMS	PAIRS	SHIELD	SHEATH	OUTER DIAMETER(MM)	PACKAGING(M)
FU5104SH5	4	F/FTP	LSZH	7.0	D500
FU5104SH10	4	F/FTP	LSZH	7.0	D1000
FU5108SH5	2 x 4	F/FTP	LSZH	7 x 14.5	D500
FU5108SH10	2 x 4	F/FTP	LSZH	7 x 14.5	D1000

CATEGORY 6A U/UTP SOLID CORE CABLE



U5104SH

BENEFITS

- Tested up 510 MHz
- Unique design for Xtalk compensation
- Flame retardant
- Electrical supply of equipments (camera, hotspot wifi, IP phone ...)

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 10G
- REMOTE POWER : POEP

STANDARDS

- CABLE : IEC 61156-5 CAT6A
- SYSTEM : ISO 11801 ED2.2 Class Ea
  EIA/TIA 568-C.2 CAT6A
  EN 50173-1: 2011 Class Ea

CHARACTERISTICS

CONDUCTOR	2 x 4 AWG23 Solid Copper
INSULATION	PE Solid
ASSEMBLY	4 pairs twisted over a unique PE filler
SHEATH	Violet LSZH RAL 4001

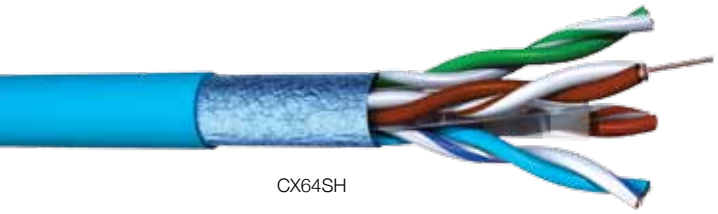
PROPERTIES

MECHANICAL	Bending Radius	8 x cable diameter
ELECTRICAL	Linear resistance	95 Ω/km
	Characteristic impedance	100 Ω
	Nominal velocity propagation	66%
ENVIRONMENTAL	Operating temperature	-10°C to +50°C
	Fire rating	IEC 60332-1
	Smoke Emission	IEC 60754-1

ORDERING INFORMATION

ITEMS	PAIRS	SHIELD	SHEATH	OUTER DIAMETER(MM)	PACKAGING(M)
U5104SHB	4	U/UTP	LSZH	7.8 x 9.1	B305 reel in box
U5104SH5	4	U/UTP	LSZH	7.8 x 9.1	D500

CATEGORY 6 F/UTP SOLID CORE CABLE



CX64SH

BENEFITS

- Exceeds standard specifications
- Tested up to 350 MHz
- Electromagnetic immunity
- Flame retardant
- Electrical supply of equipments (camera, hotspot wifi, IP phone ...)

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 1G
- REMOTE POWER : POEP

STANDARDS

- CABLE : IEC 61156-5 CAT6
- SYSTEM : ISO 11801 ED2.2 Class E
  EIA/TIA 568-C.2 CAT6
  EN 50173-1: 2011 Class E

CHARACTERISTICS

CONDUCTOR	2 x 4 AWG23 Solid Copper
INSULATION	PE Solid
ASSEMBLY	4 pairs twisted over a central PE cross
SHIELDING	Overall Al / Pes Foil and drain wire
SHEATH	Blue LSZH RAL 5024

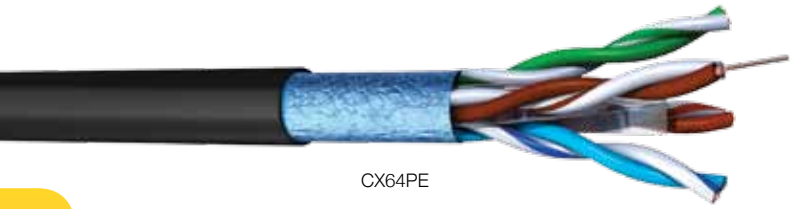
PROPERTIES

MECHANICAL	Bending Radius	8 x cable diameter
ELECTRICAL	Linear resistance	95 Ω/km
	Characteristic impedance	100 Ω
	Nominal velocity propagation	66%
	Coupling attenuation	65 dB
ENVIRONMENTAL	Operating temperature	-20°C to +70°C
	Fire rating	IEC 60332-1
	Smoke Emission	IEC 60754-1

ORDERING INFORMATION

ITEMS	PAIRS	SHIELD	SHEATH	OUTER DIAMETER (MM)	PACKAGING (M)
CX64SH1	4	F/UTP	LSZH	7.0	C100
CX64SHB	4	F/UTP	LSZH	7.0	B305 reel in box
CX64SH5	4	F/UTP	LSZH	7.0	D500
CX64SH10	4	F/UTP	LSZH	7.0	D1000
CX68SH5	2 x 4	F/UTP	LSZH	7 x 14.5	D500
CX68SH10	2 x 4	F/UTP	LSZH	7 x 14.5	D1000

CATEGORY 6 F/UTP SOLID CORE CABLE OUTDOOR



CX64PE

BENEFITS

- Adapted for outdoor applications
- Electromagnetic immunity
- Exceeds standard specifications
- Electrical supply of equipments (camera, hotspot wifi, IP phone ...)

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 1G
- REMOTE POWER : POEP

STANDARDS

- CABLE : IEC 61156-5 CAT6
- SYSTEM : ISO 11801 ED2.2 Class E
  EIA/TIA 568-C.2 CAT6
  EN 50173-1: 2011 Class E

CHARACTERISTICS

CONDUCTOR	2 x 4 AWG23 Solid Copper
INSULATION	PE Solid
ASSEMBLY	4 pairs twisted over a central PE cross
SHIELDING	Overall Al / Pes Foil and drain wire
SHEATH	Black PE

PROPERTIES

MECHANICAL	Bending Radius	8 x cable diameter
ELECTRICAL	Linear resistance	95 Ω/km
	Characteristic impedance	100 Ω
	Nominal velocity propagation	66%
	Coupling attenuation	65 dB
ENVIRONMENTAL	Operating temperature	-20°C to +70°C
	UV resistance	IEC 60068-2-5

ORDERING INFORMATION

ITEM	PAIRS	SHIELD	SHEATH	OUTER DIAMETER(MM)	PACKAGING(M)
CX64PE	4	F/UTP	PE	7.1	D1000

CATEGORY 6 U/UTP SOLID CORE CABLE



VG64

BENEFITS

- Exceeds standard specifications
- Flame retardant
- Electrical supply of equipments (camera, hotspot wifi, IP phone ...)

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 1G
- REMOTE POWER : POEP

STANDARDS

- CABLE : IEC 61156-5 CAT6
- SYSTEM : ISO 11801 ED2.2 Class E
  EIA/TIA 568-C.2 CAT6
  EN 50173-1: 2011 Class E

CHARACTERISTICS

CONDUCTOR	2 x 4 AWG23 Solid Copper
INSULATION	PE Solid
ASSEMBLY	4 pairs twisted over a central PE cross
SHEATH	Blue PVC RAL 5024 (VG6xSH, Blue LSZH RAL 5024)

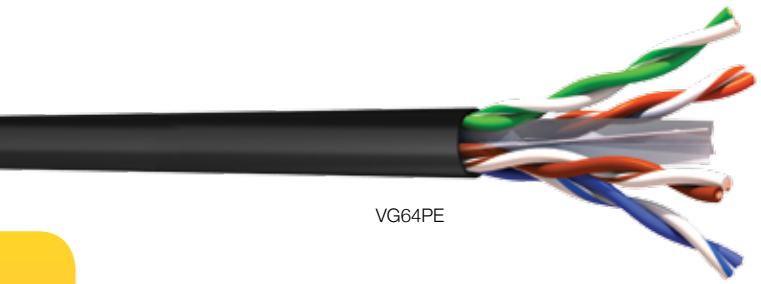
PROPERTIES

MECHANICAL	Bending Radius	8 x cable diameter
ELECTRICAL	Linear resistance	95 Ω/km
	Characteristic impedance	100 Ω
	Nominal velocity propagation	69%
ENVIRONMENTAL	Operating temperature	-20°C to +70°C
	Fire rating	IEC 60332-1
	Smoke Emission	IEC 60754-1 for the VG6xSH

ORDERING INFORMATION

ITEMS	PAIRS	SHIELD	SHEATH	OUTER DIAMETER	PACKAGING
VG64B	4	U/UTP	PVC	6.5	B305 Reelex box
VG64BRIB	4	U/UTP	PVC	6.5	B305 Reel in box
VG645	4	U/UTP	PVC	6.5	D500
VG6410	4	U/UTP	PVC	6.5	D1000
VG64SHB	4	U/UTP	LSZH	6.5	B305 Reelex box
VG64SHBRIB	4	U/UTP	LSZH	6.5	B305 Reel in box
VG64SH5	4	U/UTP	LSZH	6.5	D500
VG64SH	4	U/UTP	LSZH	6.5	D1000
VG68SH5	2 x 4	U/UTP	LSZH	6.5 x 13.5	D500

CATEGORY 6 U/UTP SOLID CORE CABLE OUTDOOR



VG64PE

BENEFITS

- Adapted for outdoor applications
- Electrical supply of equipments (camera, hotspot wifi, IP phone ...)

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 1G
- REMOTE POWER : POEP

STANDARDS

- CABLE : IEC 61156-5 CAT6
- SYSTEM : ISO 11801 ED2.2 Class E
  EIA/TIA 568-C.2 CAT6
  EN 50173-1: 2011 Class E

CHARACTERISTICS

CONDUCTOR	2 x 4 AWG23 Solid Copper
INSULATION	PE Solid
ASSEMBLY	4 pairs twisted over a central cross
SHEATH	Black PE

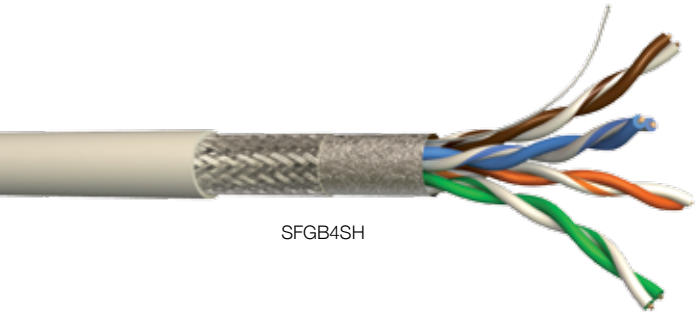
PROPERTIES

MECHANICAL	Bending Radius	8 x cable diameter
ELECTRICAL	Linear resistance	95 Ω/km
	Characteristic impedance	100 Ω
	Nominal velocity propagation	66%
ENVIRONMENTAL	Operating temperature	-20°C to +70°C
	UV resistance	IEC 60068-2-5

ORDERING INFORMATION

ITEMS	PAIRS	SHIELD	SHEATH	OUTER DIAMETER (MM)	PACKAGING (M)
VG64PE5	4	U/UTP	PE	6.2	D500
VG64PE	4	U/UTP	PE	6.2	D1000

CATEGORY 5E SF/UTP SOLID CORE CABLE



SFGB4SH



BENEFITS

- Very high electromagnetic immunity
- Flame retardant

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 1G
- REMOTE POWER : POE

STANDARDS

- CABLE : IEC 61156-5 CAT5e
- SYSTEM : ISO 11801 ED2.2 Class D
  EIA/TIA 568-C.2 CAT5e
  EN 50173-1: 2011 Class D

CHARACTERISTICS

CONDUCTOR	2 x 4 AWG24 Solid Copper
INSULATION	PE solid
ASSEMBLY	4 pairs twisted
SHIELDING	Overall Al / Pes Foil, tinned copper braid and drain wire
SHEATH	Grey LSZH RAL 7035

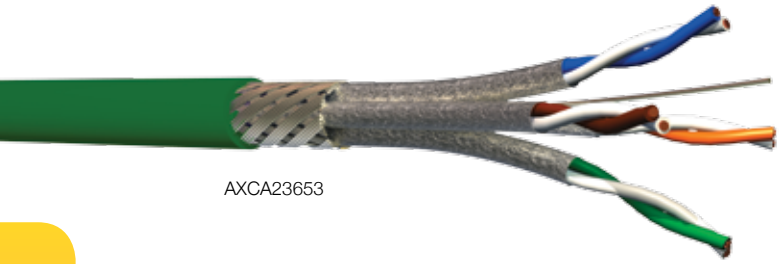
PROPERTIES

MECHANICAL	Bending Radius :	8 x cable diameter
ELECTRICAL	Linear resistance :	95 Ω/km
	Characteristic impedance :	100 Ω
	Nominal velocity propagation :	66%
	Coupling attenuation :	75 dB
ENVIRONMENTAL	Operating temperature :	-20°C to +70°C
	Fire rating :	IEC 60332-1
	Smoke Emission :	IEC 60754-1

ORDERING INFORMATION

ITEMS	PAIRS	SHIELD	SHEATH	OUTER DIAMETER (MM)	PACKAGING (M)
SFGB45SH	4	SF/UTP	LSZH	6.5	D500
SFGB8SH5	2 x 4	SF/UTP	LSZH	6.5	D500

CATEGORY 5E SF/UTP SOLID CORE CABLE HARSH ENVIRONMENT



AXCA23653



BENEFITS

- Mechanically and electrically adapted to harsh environments
- Very high electromagnetic immunity
- Flame retardant

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 1G, INDUSTRIAL NETWORK (PROFINET ...)
- REMOTE POWER : POE

STANDARDS

- CABLE : IEC 61156-5 CAT5e
- SYSTEM : ISO 11801 ED2.2 Class D
  EIA/TIA 568-C.2 CAT5e
  EN 50173-3: 2011 Class D
  ISO/IEC 24702

CHARACTERISTICS

CONDUCTOR	2 x 4 AWG24 Solid Copper
INSULATION	PE solid
ASSEMBLY	4 pairs twisted
SHIELDING	Overall Al / Pes Foil, tinned copper braid and drain wire
SHEATH	Green PUR RAL 6000

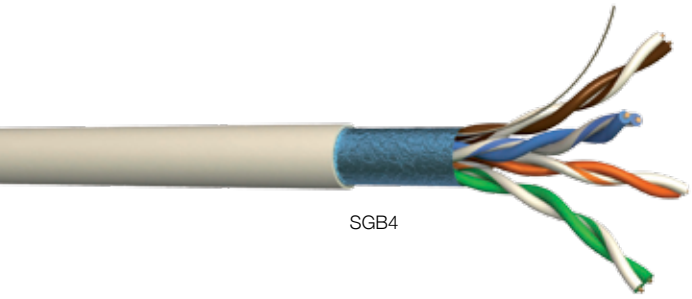
PROPERTIES

MECHANICAL	Bending Radius	8 x cable diameter
ELECTRICAL	Linear resistance	95 Ω/km
	Characteristic impedance	100 Ω
	Nominal velocity propagation	66%
	Coupling attenuation	75 dB
ENVIRONMENTAL	Operating temperature	-25°C to +85°C
	Fire rating	IEC 60332-1
	Chemical resistance :	Oil and kerosene UV and ozone microbes and mould, salt water

ORDERING INFORMATION

ITEM	PAIRS	SHIELD	SHEATH	OUTER DIAMETER (MM)	PACKAGING (M)
AXCA236535	4	SF/UTP	PUR	6.7	D500

CATEGORY 5E F/UTP SOLID CORE CABLE



SGB4

BENEFITS

- Exceed standard specifications
- Electromagnetic immunity
- Flame retardant

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 1G
- REMOTE POWER : POE

STANDARDS

- CABLE : IEC 61156-5 CAT5e
- SYSTEM : ISO 11801 ED2.2 Class D
  EIA/TIA 568-C.2 CAT5e
  EN 50173-1: 2011 Class D

CHARACTERISTICS

CONDUCTOR	2 x 4 AWG24 Solid Copper
INSULATION	PE Solid
ASSEMBLY	4 pairs twisted
SHIELDING	Overall Al / Pes Foil and drain wire
SHEATH	Grey PVC RAL 7035 (SGBxSH, Grey LSZH RAL 7035)

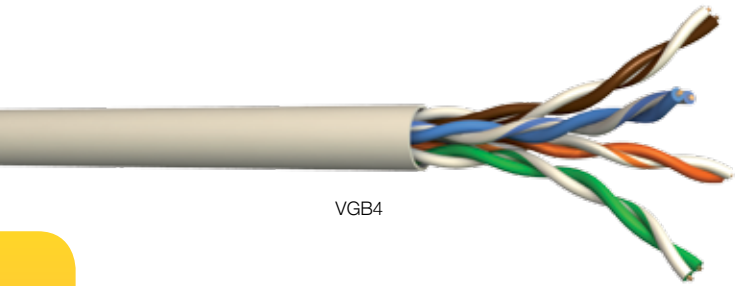
PROPERTIES

MECHANICAL	Bending Radius	8 x cable diameter
ELECTRICAL	Linear resistance	95 Ω/km
	Characteristic impedance	100 Ω
	Coupling attenuation	65 dB
ENVIRONMENTAL	Operating temperature	-20°C to +70°C
	Fire rating	IEC 60332-1
	Smoke Emission	IEC 60754-1 for the SGBxSH

ORDERING INFORMATION

ITEMS	PAIRS	SHIELD	SHEATH	OUTER DIAMETER	PACKAGING
SGB4B	4	F/UTP	PVC	5.7	B305 reelex box
SGB45	4	F/UTP	PVC	5.7	D500
SGB85	2 x 4	F/UTP	PVC	5.7 x 12	D500
SGB4BSH	4	F/UTP	LSZH	5.7	B305 reelex box
SGB45SH	4	F/UTP	LSZH	5.7	D500
SGB85SH	2 x 4	F/UTP	LSZH	5.7 x 12	D500
SGB12SH	3 x 4	F/UTP	LSZH	17	D1000
SGB32SH	8 x 4	F/UTP	LSZH	22	D1000
SGB64SH	16 x 4	F/UTP	LSZH	32	D500

CATEGORY 5E U/UTP SOLID CORE CABLE



VGB4

BENEFITS

- Exceed standard specifications
- Flame retardant

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 1G
- REMOTE POWER : POE

STANDARDS

- CABLE : IEC 61156-5 CAT5e
- SYSTEM : ISO 11801 ED2.2 Class D
  EIA/TIA 568-C.2 CAT5e
  EN 50173-1: 2011 Class D

CHARACTERISTICS

CONDUCTOR	2 x 4 AWG24 Solid Copper
INSULATION	PE Solid
ASSEMBLY	4 pairs twisted
SHEATH	Grey PVC RAL 7035 (VGBxSH, Grey LSZH RAL 7035)

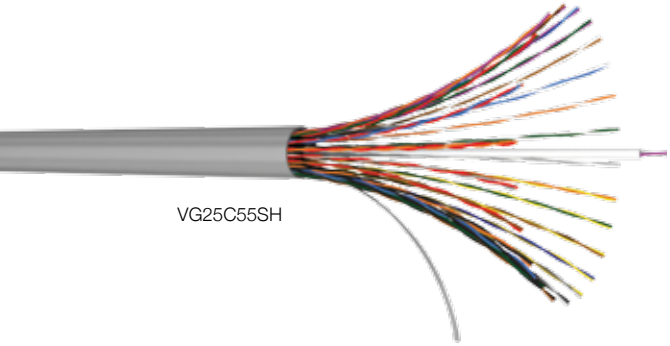
PROPERTIES

MECHANICAL	Bending Radius	8 x cable diameter
ELECTRICAL	Linear resistance	95 Ω/km
	Characteristic impedance	100 Ω
	Nominal velocity propagation	66%
ENVIRONMENTAL	Operating temperature	-20°C to +70°C
	Fire rating	IEC 60332-1
	Smoke Emission	IEC 60754-1 for the VGBxSH

ORDERING INFORMATION

ITEMS	PAIRS	SHIELD	SHEATH	OUTER DIAMETER (MM)	PACKAGING (M)
VGB4B	4	U/UTP	PVC	5.4	B305 reelex box
VGB45	4	U/UTP	PVC	5.4	D500
VGB85	2 x 4	U/UTP	PVC	5.4 x 11.3	D500
VGB4SHB	4	U/UTP	LSZH	5.4	B305 reelex box
VGB45SH	4	U/UTP	LSZH	5.4	D500
VGB85SH	2 x 4	U/UTP	LSZH	5.4 x 11.5	D500

CATEGORY 5 U/UTP MULTIPAIR CABLE



VG25C55SH

RETARD

BENEFIT

- Flame retardant

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP

STANDARDS

- CABLE : IEC 61156-5 CAT5
- SYSTEM : ISO 11801 ED2.2 Class D
  EIA/TIA 568-B.2 CAT 5
  EN 50173 ED2 Class D

CHARACTERISTICS

CONDUCTOR	2 x 25 AWG24 Solid Copper
INSULATION	PE Solid
ASSEMBLY	25 pairs twisted following TIA 568 colour code
SHEATH	Grey LSZH RAL 7035

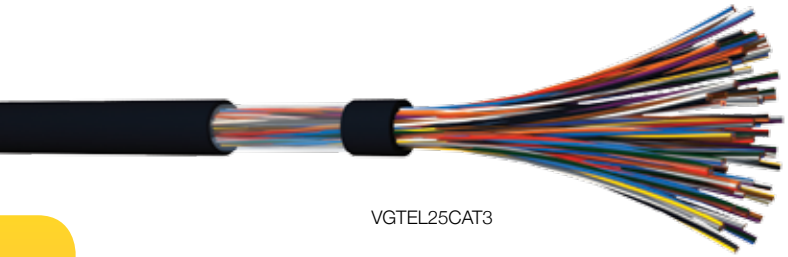
PROPERTIES

MECHANICAL	Bending Radius	8 x cable diameter
ELECTRICAL	Linear resistance	95 Ω/km
	Characteristic impedance	100 Ω
	Nominal velocity propagation	68%
ENVIRONMENTAL	Operating temperature	-20°C to +60°C
	Fire rating	IEC 60332-1

ORDERING INFORMATION

ITEM	PAIRS	SHIELD	SHEATH	OUTER DIAMETER (MM)	PACKAGING (M)
VG25C55SH	25	U/UTP	LSZH	13.5	D500

CATEGORY 3 U/UTP MULTIPAIR CABLE



VGTEL25CAT3

RETARD

BENEFITS

- Suitable for voice grade applications
- Flame retardant

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP

STANDARDS

- CABLE : IEC 61156-5 CAT3
- SYSTEM : ISO 11801 Class C
  EIA/TIA 568-B.2 CAT3
  EN 50173 class C

CHARACTERISTICS

CONDUCTOR	2 x 25 AWG24 Solid Copper
INSULATION	PE Solid
ASSEMBLY	25 pairs twisted following belgacom code (BE)
SHEATH	Grey PVC RAL 7035

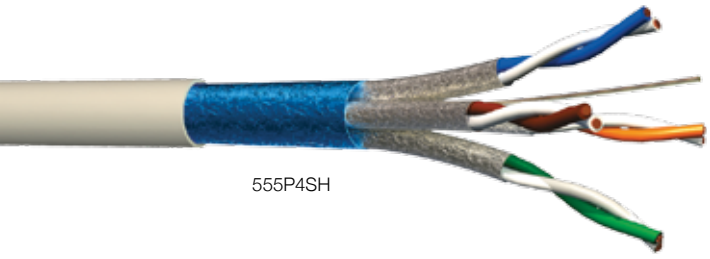
PROPERTIES

MECHANICAL	Bending Radius	8 x cable diameter
ELECTRICAL	Linear resistance	94 Ω/km
	Characteristic impedance	100 Ω
	Nominal velocity propagation	66%
ENVIRONMENTAL	Operating temperature	-20°C to +70°C
	Fire rating	IEC 60332-1

ORDERING INFORMATION

ITEMS	PAIRS	SHIELD	SHEATH	OUTER DIAMETER (MM)	PACKAGING (M)
VGTEL25CAT3	25	U/UTP	PVC	11.5	D1000
VGTEL50CAT3	50	U/UTP	PVC	15.0	D500
VGTEL100CAT3	100	U/UTP	PVC	20.0	D500

CATEGORY 6A U/FTP STRANDED CORE CABLE



555P4SH



BENEFITS

- High transmission level
- Adapted for making patch cords or consolidation point links up to cat 6A
- Electromagnetic immunity
- Flame retardant

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 10G
- REMOTE POWER : POEP

STANDARDS

- CABLE : IEC 61156-6 CAT6A
- SYSTEM : ISO 11801 ED2.2 Class Ea
  EIA/TIA 568.C-2 CAT6A
  EN 50173-1: 2011 Class Ea

CHARACTERISTICS

CONDUCTOR	2 x 4 AWG26/7 Stranded Copper
INSULATION	Skin Foam Skin PE
ASSEMBLY	4 pairs twisted
SHIELDING	Individual Al / Pes Foil and drain wire
SHEATH	Grey LSZH RAL 7035

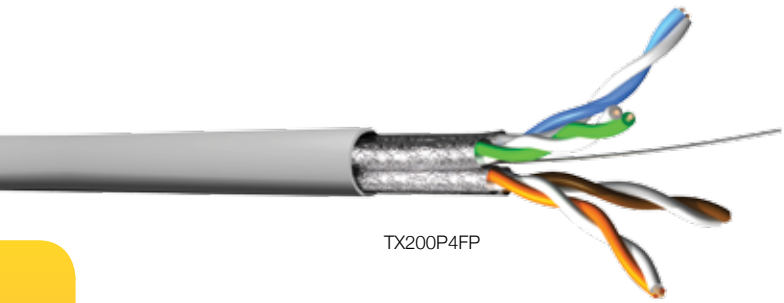
PROPERTIES

MECHANICAL	Bending Radius	8 x cable diameter
ELECTRICAL	Linear resistance	145 Ω/km
	Characteristic impedance	100 Ω
	Nominal velocity propagation	78%
	Coupling attenuation	65 dB
ENVIRONMENTAL	Operating temperature	-20°C to +70°C
	Fire rating	IEC 60332-1
	Smoke Emission	IEC 60754-1

ORDERING INFORMATION

ITEM	PAIRS	SHIELD	SHEATH	OUTER DIAMETER (MM)	PACKAGING (M)
555P4SH	4	U/FTP	LSZH	5.9	D1000

CATEGORY 6 U/FTP STRANDED CORE CABLE



TX200P4FP



BENEFITS

- Adapted for making patch cords or consolidation point links up to cat 6
- Electromagnetic immunity
- Flame retardant

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 1G
- REMOTE POWER : POE

STANDARDS

- CABLE : IEC 61156-6 CAT6
- SYSTEM : ISO 11801 ED2.2 Class E
  EIA/TIA 568-C.2 CAT6
  EN 50173-1: 2011 Class E

CHARACTERISTICS

CONDUCTOR	2 x 4 AWG26/7 Stranded Copper
INSULATION	PE Solid
ASSEMBLY	2 x 4 pairs twisted
SHIELDING	Individual Al / Pes Foil and drain wire
SHEATH	PVC

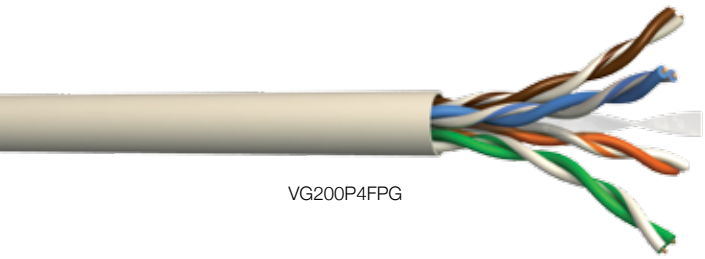
PROPERTIES

MECHANICAL	Bending Radius	8 x cable diameter
ELECTRICAL	Linear resistance	154 Ω/km
	Characteristic impedance	100 Ω
	Nominal velocity propagation	66%
	Coupling attenuation	65 dB
ENVIRONMENTAL	Operating temperature	-20°C to +70°C
	Fire rating	IEC 60332-1

ORDERING INFORMATION

ITEMS	PAIRS	SHIELD	SHEATH	OUTER DIAMETER (MM)	PACKAGING (M)
TX200P4FP	4	U/FTP	Dark Blue PVC	5.6	D1000
TX200P4FP G	4	U/FTP	Grey PVC	5.6	D1000
TX200P4FP J	4	U/FTP	Yellow PVC	5.6	D1000
TX200P4FP R	4	U/FTP	Red PVC	5.6	D1000
TX200P4FP V	4	U/FTP	Green PVC	5.6	D1000

CATEGORY 6 U/UTP STRANDED CORE CABLE



VG200P4FPG



BENEFITS

- Very easy to connect and very flexible
- Adapted for making patch cords or consolidation point links up to cat6
- Flame retardant

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 1G
- REMOTE POWER : POE

STANDARDS

- CABLE : IEC 61156-6 CAT6
- SYSTEM : ISO 11801 ED2.2 Class E
  EIA/TIA 568-C.2 CAT6
  EN 50173-1: 2011 Class E

CHARACTERISTICS

CONDUCTOR	2 x 4 AWG26/7 Stranded Copper
INSULATION	PE Solid
ASSEMBLY	4 pairs twisted with a flat filler
SHEATH	Grey PVC RAL 7035

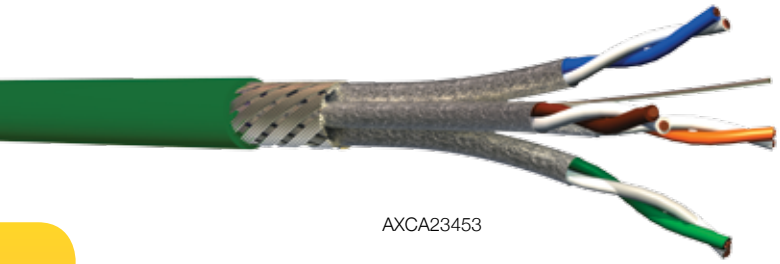
PROPERTIES

MECHANICAL	Bending Radius	8 x cable diameter
ELECTRICAL	Linear resistance	145 Ω/km
	Characteristic impedance	100 Ω
	Nominal velocity propagation	66%
ENVIRONMENTAL	Operating temperature	-20°C to +70°C
	Fire rating	IEC 60332-1

ORDERING INFORMATION

ITEM	PAIRS	SHIELD	SHEATH	OUTER DIAMETER (MM)	PACKAGING (M)
VG200P4FPG	4	U/UTP	PVC	5.6	D1000

CATEGORY 5E SF/UTP STRANDED CORE CABLE HARSH ENVIRONMENT



AXCA23453



BENEFITS

- Very high electromagnetic immunity
- Mechanically and electrically adapted to harsh environments
- Flame retardant

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 1G, INDUSTRIAL NETWORK (PROFINET....)
- REMOTE POWER : POE

STANDARDS

- CABLE : IEC 61156-6 CAT5e
- SYSTEM : ISO 11801 ED2.2 Class D
  EIA/TIA 568-C.2 CAT5e
  EN 50173-3: 2011 Class D
  ISO/IEC 24702

CHARACTERISTICS

CONDUCTOR	2 x 4 AWG26/7 Stranded Copper
INSULATION	PE Solid
ASSEMBLY	4 pairs twisted
SHIELDING	Overall Al / Pes Foil, tinned copper braid and drain wire
SHEATH	Green PUR RAL 6000

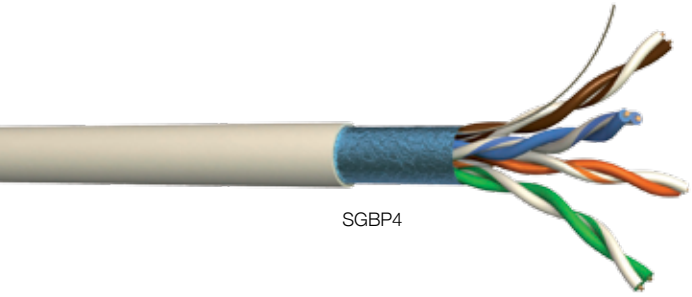
PROPERTIES

MECHANICAL	Bending Radius	8 x cable diameter
ELECTRICAL	Linear resistance	145 Ω/km
	Characteristic impedance	100 Ω
	Nominal velocity propagation	78%
	Coupling attenuation	70 dB
ENVIRONMENTAL	Operating temperature	-20°C to +70°C
	Fire rating	IEC 60332-1
	Chemical resistance	Oil and kerosene UV and ozone microbes and mould,salt water

ORDERING INFORMATION

ITEM	PAIRS	SHIELD	SHEATH	OUTER DIAMETER (MM)	PACKAGING (M)
AXCA23453	4	SF/UTP	PUR	5.7	D1000

CATEGORY 5E F/UTP STRANDED CORE CABLE



SGBP4



BENEFITS

- Electromagnetic immunity
- Adapted for making patch cords or consolidation point links up to cat 5e
- Flame retardant

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 1G
- REMOTE POWER : POE

STANDARDS

- CABLE : IEC 61156-6 CAT5e
- SYSTEM : ISO 11801 ED2.2 Class D
  EIA/TIA 568-C.2 CAT5e
  EN 50173-1: 2011 Class D

CHARACTERISTICS

CONDUCTOR	2 x 4 AWG26/7 Stranded Copper
INSULATION	PE Solid
ASSEMBLY	4 pairs twisted
SHIELDING	Overall Al / Pes Foil and drain wire
SHEATH	Grey PVC RAL 7035 (SGBP4SH, Grey LSZH RAL 7035)

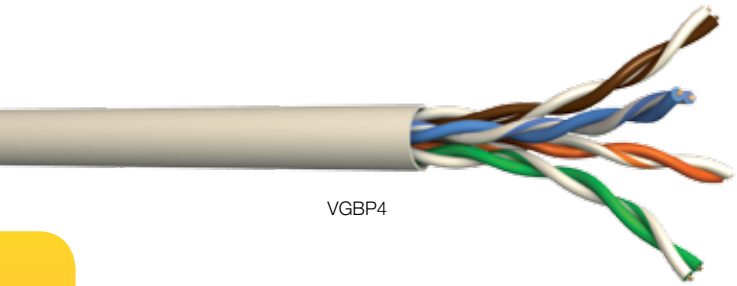
PROPERTIES

MECHANICAL	Bending Radius	8 x cable diameter
ELECTRICAL	Linear resistance	145 Ω/km
	Characteristic impedance	100 Ω
	Nominal velocity propagation	66%
	Coupling attenuation	60 dB
ENVIRONMENTAL	Operating temperature	-20°C to +70°C
	Fire rating	IEC 60332-1
	Smoke Emission	IEC 60754-1 for SGBP4SH

ORDERING INFORMATION

ITEMS	PAIRS	SHIELD	SHEATH	OUTER DIAMETER (MM)	PACKAGING (M)
SGBP410	4	F/UTP	Grey PVC	5.0	D1000
SGBP4B10	4	F/UTP	Blue PVC	5.0	D1000
SGBP4J10	4	F/UTP	Yellow PVC	5.0	D1000
SGBP4N10	4	F/UTP	Black PVC	5.0	D1000
SGBP4O10	4	F/UTP	Orange PVC	5.0	D1000
SGBP4R10	4	F/UTP	Red PVC	5.0	D1000
SGBP4V10	4	F/UTP	Green PVC	5.0	D1000
SGBP410SH	4	F/UTP	Grey LSZH	5.0	D1000

CATEGORY 5E U/UTP STRANDED CORE CABLE



VGBP4



BENEFITS

- Adapted for making patch cords or consolidation point links up to cat 5e
- Flame retardant

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 1G
- REMOTE POWER : POE

STANDARDS

- CABLE : IEC 61156-6 CAT5e
- SYSTEM : ISO 11801 ED2.2 Class D
  EIA/TIA 568-C.2 CAT5e
  EN 50173-1: 2011 Class D

CHARACTERISTICS

CONDUCTOR	2 x 4 AWG26/7 Stranded Copper
INSULATION	PE Solid
ASSEMBLY	4 pairs twisted
SHEATH	Grey PVC RAL 7035 (VGBP4SH, Grey LSZH RAL 7035)

PROPERTIES

MECHANICAL	Bending Radius	8 x cable diameter
ELECTRICAL	Linear resistance	145 Ω/km
	Characteristic impedance	100 Ω
	Nominal velocity propagation	66%
ENVIRONMENTAL	Operating temperature	-20°C to +70°C
	Fire rating	IEC 60332-1
	Smoke Emission	IEC 60754-1 for VGBP4SH

ORDERING INFORMATION

ITEMS	PAIRS	SHIELD	SHEATH	OUTER DIAMETER (MM)	PACKAGING (M)
VGBP410	4	U/UTP	Grey PVC	4.8	D1000
VGBP4B10	4	U/UTP	Blue PVC	4.8	D1000
VGBP4J10	4	U/UTP	Yellow PVC	4.8	D1000
VGBP4R10	4	U/UTP	Red PVC	4.8	D1000
VGBP4V10	4	U/UTP	Green PVC	4.8	D1000
VGBP410SH	4	U/UTP	Grey LSZH	4.8	D1000

COPPER SYSTEMS

COPPER CONNECTIVITY

MK SERIE RJ45 MODULAR JACKS
- Category 6a shielded MK modular jacks 32
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CATEGORY 6A SHIELDED MK MODULAR JACKS



MK6AFS

BENEFITS

- Exceed CAT6A standard specification : system and component
- Removable dust shutter available in various colours
- Fast tooless termination
- Unique modular cap enabling straight or lateral cable exit

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G
- REMOTE POWER : POEP

STANDARDS

- COMPONENT : IEC 60603-7-51
- SYSTEM : ISO 11801 ED2.2 Class Ea
  EIA/TIA 568-C.2 CAT6A
  EN 50173-1: 2011 Class Ea

CHARACTERISTICS

DIMENSIONS	46.3 mm x 34.8 mm x 18.2 mm (H x D x W)
CONTACT	Bronze / Platine / Nickel + Gold plating
COMPENSATION	Gold XTR compensation
IDC	V shape : bronze / Nickel 8µm
TERMINATION	Tooless solid and stranded wire specific from AWG24 to AWG22
SHIELD	360° shielding Faraday cage (FS version) Spring contact (AN version)
HOUSING	Fully shielded Zamac (FS version) Polycarbonate (AN version)

PROPERTIES

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom.
ELECTRICAL	Operating voltage	≤ 72V DC
	Voltage test	≥ 1000V DC contact to contact ≥ 1500V DC contact to screen (IEC 60512-4-1)
	Contact resistance	≤ 20 mΩ IEC 60512-2-1
	Power capacity	≤ 30W
	Coupling attenuation	compliant to ISO 11801
ENVIRONMENTAL	Operating temperature	-40°C to +70°C
	Fire rating	UL94V0
	Vibration	< 10µs IEC 60512-4-1

ORDERING INFORMATION

ITEMS	DESCRIPTION	SHIELD	PACKAGING
MK6AFS	CAT6A RJ45 connector full shielded MK range	Fully shielded	8
MK6ASP	CAT6A RJ45 connector for stranded wire full shielded MK range	Fully shielded	8
MK6AAN	CAT6A RJ45 connector half shielded MK range	Half shielded	8
MK6VBL	White dust protecting shutter for MK range		8
MK6VB	Blue dust protecting shutter for MK range		8
MK6VJ	Yellow dust protecting shutter for MK range		8
MK6VR	Red dust protecting shutter for MK range		8
MK6VV	Green dust protecting shutter for MK range		8

CATEGORY 6A UNSHIELDED MK MODULAR JACKS



MK6ANB

BENEFITS

- Exceed CAT6A standard specification : system and component
- Removable dust shutter available in various colours
- Fast tooless termination
- Unique modular cap enabling straight or lateral cable exit

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G
- REMOTE POWER : POEP

STANDARDS

- COMPONENT : IEC 60603-7-41
- SYSTEM : ISO 11801 ED2.2 Class Ea
  EIA/TIA 568-C.2 CAT6A
  EN 50173-1: 2011 Class Ea

CHARACTERISTICS

DIMENSIONS	46.3 mm x 34.8 mm x 18.2 mm (H x D x W)
CONTACT	Bronze / Platine / Nickel + Gold plating
COMPENSATION	Gold XTR compensation
IDC	V shape : bronze / Nickel 8 µm
TERMINATION	Tooless solid from AWG24 to AWG22
SHIELD	Unshielded
HOUSING	Polycarbonate

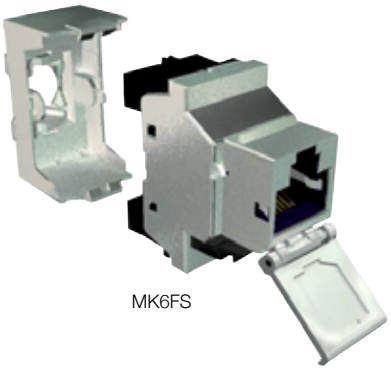
PROPERTIES

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom.
ELECTRICAL	Operating voltage	≤ 72V DC
	Voltage test	≥ 1000V DC contact to contact
	Contact resistance	≤ 20 mΩ IEC 60512-2-1
	Power capacity	≤ 30W
	Coupling attenuation	-
ENVIRONMENTAL	Operating temperature	-40°C to +70°C
	Fire rating	UL94V0
	Vibration	< 10µs IEC 60512-4-1

ORDERING INFORMATION

ITEMS	DESCRIPTION	SHIELD	PACKAGING
MK6ANB	CAT6A RJ45 connector unshielded MK range	Unshielded	8
MK6VBL	White dust protecting shutter for MK range		8
MK6VB	Blue dust protecting shutter for MK range		8
MK6VJ	Yellow dust protecting shutter for MK range		8
MK6VR	Red dust protecting shutter for MK range		8
MK6VV	Green dust protecting shutter for MK range		8

CATEGORY 6 SHIELDED MK MODULAR JACKS



MK6FS

BENEFITS

- Exceed CAT6 standard specification in system
- Removable dust shutter available in various colours
- Fast tooless termination
- Unique modular cap enabling straight or lateral cable exit

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10G (TR24750 AND TSB 155)
- REMOTE POWER : POEP

STANDARDS

- COMPONENT : IEC 60603-7-5
- SYSTEM : ISO 11801 ED2.2 Class E
  EIA/TIA 568-C.2 CAT6
  EN 50173-1: 2011 Class E

CHARACTERISTICS

DIMENSIONS	46.3 mm x 34.8 mm x 18.2 mm (H x D x W)
CONTACT	Bronze / Platine / Nickel + Gold plating
COMPENSATION	Printed circuit board
IDC	V shape : bronze / Nickel 8 µm
TERMINATION	Tooless solid and stranded wire from AWG24 to AWG22
SHIELD	360° with spring contact
HOUSING	Aluminized polycarbonate or B-blend

PROPERTIES

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom.
ELECTRICAL	Operating voltage	≤ 72V DC
	Voltage test	≥ 1000V DC contact to contact ≥ 1500V DC contact to screen (IEC 60512-4-1)
	Contact resistance	≤ 20 mΩ IEC 60512-2-1
	Power capacity	≤ 30W
	Coupling attenuation	Compliant to ISO 11801
ENVIRONMENTAL	Operating temperature	-40°C to +70°C
	Fire rating	UL 94V0
	Vibration	< 10µs IEC 60512-4-1

ORDERING INFORMATION

ITEMS	DESCRIPTION	SHIELD	PACKAGING
MK6FS	CAT6 RJ45 connector full shielded MK range	Fully shielded	8
MK6SP	CAT6 RJ45 connector for stranded wire full shielded MK range	Fully shielded	8
MK6VBL	White dust protecting shutter for MK range		8
MK6VB	Blue dust protecting shutter for MK range		8
MK6VJ	Yellow dust protecting shutter for MK range		8
MK6VR	Red dust protecting shutter for MK range		8
MK6VV	Green dust protecting shutter for MK range		8

CATEGORY 6 UNSHIELDED MK MODULAR JACKS



MK6NB

BENEFITS

- Exceed CAT6 10G standard specification in system
- Removable dust shutter available in various colours
- Fast tooless termination
- Unique modular cap enabling straight or lateral cable exit

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G (TR24750 AND TSB155)
- REMOTE POWER : POEP

STANDARDS

- COMPONENT : IEC 60603-7-4
- SYSTEM : ISO 11801 ED2.2 Class E
  EIA/TIA 568-C.2 CAT6
  EN 50173-1: 2011 Class E

CHARACTERISTICS

DIMENSIONS	46.3 mm x 34.8 mm x 18.2 mm (H x D x W)
CONTACT	Bronze / Platine / Nickel + Gold plating
COMPENSATION	Printed circuit board
IDC	V shape : bronze / Nickel 8 µm
TERMINATION	Tooless solid wire from AWG24 to AWG22
SHIELD	unshielded
HOUSING	Polycarbonate

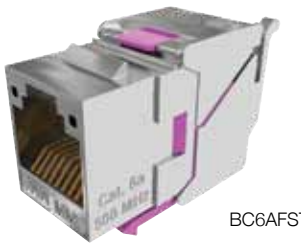
PROPERTIES

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom.
ELECTRICAL	Operating voltage	≤ 72V DC
	Voltage test	≥ 1000V DC contact to contact
	Contact resistance	≤ 20 mΩ IEC 60512-2-1
	Power capacity	≤ 30W
	Coupling attenuation	-
ENVIRONMENTAL	Operating temperature	-40°C to +70°C
	Fire rating	UL 94V0
	Vibration	< 10 µs IEC 60512-4-1

ORDERING INFORMATION

ITEMS	DESCRIPTION	SHIELD	PACKAGING
MK6NB	CAT6 RJ45 connector unshielded MK range	Unshielded	8
MK6VBL	White dust protecting shutter for MK range		8
MK6VB	Blue dust protecting shutter for MK range		8
MK6VJ	Yellow dust protecting shutter for MK range		8
MK6VR	Red dust protecting shutter for MK range		8
MK6VV	Green dust protecting shutter for MK range		8

CATEGORY 6A SHIELDED BCTL MODULAR JACKS



BC6AFSTL

BENEFITS

- Exceed CAT6A standard specification : system and component
- Fast and easy tooless termination with insert bar
- Compact keystone : very low depth for a better compatibility with a big part of faceplate
- Compatible with RJ12 plug
- Colored dust shutter available

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G
- REMOTE POWER : POEP

STANDARDS

- COMPONENT : IEC 60603-7-51
- SYSTEM : ISO 11801 ED2.2 Class Ea
  EIA/TIA 568-C.2 CAT6A
  EN 50173-1: 2011 Class Ea

CHARACTERISTICS

DIMENSIONS	21.9 mm x 28.25 mm x 16 mm (H x D x W)
CONTACT	Bronze / Platine / Nickel + Gold plating
COMPENSATION	4 layers PCB and gold printed
IDC	V shape : bronze / Platine and copper + SnPb
TERMINATION	Tooless solid and stranded wire from AWG24 to AWG22
SHIELD	360° with spring contact
HOUSING	Keystone monobloc in Zamac

PROPERTIES

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom.
ELECTRICAL	Operating voltage	≤ 72V DC
	Voltage test	≥ 1000V DC contact to contact ≥ 1500V DC contact to screen (IEC 60512-4-1)
	Contact resistance	≤ 20 mΩ IEC 60512-2-1
	Power capacity	≤ 30W
	Coupling attenuation	compliant to ISO 11801
ENVIRONMENTAL	Operating temperature	-40°C to +70°C
	Fire rating	UL 94V0

ORDERING INFORMATION

ITEMS	DESCRIPTION	SHIELD	PACKAGING
BC6AFSTL8	CAT6A RJ45 connector full shielded BC range tooless version	Fully shielded	8
BC6AFSTL50	CAT6A RJ45 connector full shielded BC range tooless version	Fully shielded	50
BCDUSTSHBL8	White dust shutter for BC range		8
BCDUSTSHB8	Blue dust shutter for BC range		8
BCDUSTSHR8	Red dust shutter for BC range		8
BCDUSTSHJ8	Yellow dust shutter for BC range		8
BCDUSTSHV8	Green dust shutter for BC range		8

CATEGORY 6 SHIELDED BCTL MODULAR JACKS



BC6FSTL

BENEFITS

- Exceed CAT6 standard specification thanks to an optimized circuit
- Fast and easy tooless termination
- Compact keystone : very low depth for a better compatibility with a big part of faceplate
- Compatible with RJ12 plug
- Colored dust shutter available

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G (TR24750 AND TSB155)
- REMOTE POWER : POEP

STANDARDS

- COMPONENT : IEC 60603-7-5
- SYSTEM : ISO 11801 ED2.2 Class E
  EIA/TIA 568-C.2 CAT6
  EN 50173-1: 2011 Class E

CHARACTERISTICS

DIMENSIONS	21.9 mm x 28.25 mm x 16 mm (H x D x W)
CONTACT	Bronze / Platine / Nickel + Gold plating
COMPENSATION	Double layer PCB
IDC	V shape : bronze / Platine and copper + SnPb
TERMINATION	Tooless solid and stranded wire from AWG24 to AWG22
SHIELD	360° with spring contact
HOUSING	Keystone monobloc in Zamac

PROPERTIES

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom.
ELECTRICAL	Operating voltage	≤ 72V DC
	Voltage test	≥ 1000V DC contact to contact ≥ 1500V DC contact to screen (IEC 60512-4-1)
	Contact resistance	≤ 20 mΩ IEC 60512-2-1
	Power capacity	≤ 30W
	Coupling attenuation	Compliant to ISO 11801
ENVIRONMENTAL	Operating temperature	-40°C to +70°C
	Fire rating	UL 94V0

ORDERING INFORMATION

ITEMS	DESCRIPTION	SHIELD	PACKAGING
BC6FSTL8	CAT6 RJ45 connector full shielded BC range - tooless version	Fully shielded	8
BC6FSTL50	CAT6 RJ45 connector full shielded BC range - tooless version	Fully shielded	50
BCDUSTSHBL8	White dust shutter for BC range		8
BCDUSTSHB8	Blue dust shutter for BC range		8
BCDUSTSHR8	Red dust shutter for BC range		8
BCDUSTSHJ8	Yellow dust shutter for BC range		8
BCDUSTSHV8	Green dust shutter for BC range		8

CATEGORY 6 UNSHIELDED BC MODULAR JACKS



BC6NB

BENEFITS

- Exceed CAT6 standard specification thanks to an optimized circuit
- Modularity on the thermination : punch down or special tool
- Compact keystone : low depth for a better compatibility with a big part of faceplate
- Compatible with RJ12 plug
- Colored dust shutter available

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 1G
- REMOTE POWER : POEP

STANDARDS

- COMPONENT : IEC 60603-7-4
- SYSTEM : ISO 11801 ED2.2 Class E
  EIA/TIA 568-C.2 CAT6
  EN 50173-1: 2011 Class E

CHARACTERISTICS

DIMENSIONS	19.30 mm x 33.50 mm x 16 mm (H x D x W)
CONTACT	Bronze / Platine / Nickel + Gold plating
COMPENSATION	Double layer PCB
IDC	V shape : bronze / Platine and copper + SnPb
TERMINATION	Tooless or punchdown solid and stranded wire from AWG24 to AWG22
SHIELD	Unshielded
HOUSING	ABS

PROPERTIES

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom.
ELECTRICAL	Operating voltage	≤ 72V DC
	Voltage test	≥ 1000V DC contact to contact
	Contact resistance	≤ 20 mΩ IEC 60512-2-1
	Power capacity	≤ 30W
	Coupling attenuation	-
ENVIRONMENTAL	Operating temperature	-40°C to +70°C
	Fire rating	UL 94V0

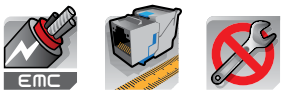
ORDERING INFORMATION

ITEMS	DESCRIPTION	SHIELD	PACKAGING
BC6NB8	CAT6 RJ45 connector unshielded BC range	Unshielded	8
BC6NB	CAT6 RJ45 connector unshielded BC range	Unshielded	50
BCDUSTSHBL8	White dust shutter for BC range		8
BCDUSTSHB8	Blue dust shutter for BC range		8
BCDUSTSHR8	Red dust shutter for BC range		8
BCDUSTSHJ8	Yellow dust shutter for BC range		8
BCDUSTSHV8	Green dust shutter for BC range		8
BCDUSTSHV8	Green dust shutter for BC range		8

CATEGORY 5E SHIELDED BCTL MODULAR JACKS



BC5EFSTL



BENEFITS

- Exceed CAT5e standard specification thanks to an optimized circuit
- Fast and easy tooless termination
- Compact keystone :
  Very low depth for a better compatibility with a big part of faceplate
- Compatible with RJ12 plug
- Colored dust shutter available

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 1 G
- REMOTE POWER : POE

STANDARDS

- COMPONENT : IEC 60603-7-3
- SYSTEM : ISO 11801 ED2.2 Class D
  EIA/TIA 568-C.2 CAT5e
  EN 50173-1: 2011 Class D

CHARACTERISTICS

DIMENSIONS	21.9 mm x 28.25 mm x 16 mm (H x D x W)
CONTACT	Bronze / Platine / Nickel + Gold plating
COMPENSATION	Double layer PCB
IDC	V shape : bronze / Platine and copper + SnPb
TERMINATION	Tooless solid and stranded wire from AWG24 to AWG23
SHIELD	360° with spring contact
HOUSING	Keystone monobloc in Zamac

PROPERTIES

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom.
ELECTRICAL	Operating voltage	≤ 72V DC
	Voltage test	≥ 1000V DC contact to contact ≥ 1500V DC contact to screen (IEC 60512-4-1)
	Contact resistance	≤ 20 mΩ IEC 60512-2-1
	Power capacity	≤ 15W
	Coupling attenuation	-
ENVIRONMENTAL	Operating temperature	-40°C to +70°C
	Fire rating	UL 94V0

ORDERING INFORMATION

ITEMS	DESCRIPTION	SHIELD	PACKAGING
BC5EFSTL8	CAT5E RJ45 connector full shielded BC range tooless version	Fully shielded	8
BC5EFSTL50	CAT5E RJ45 connector full shielded BC range tooless version	Fully shielded	50
BCDUSTSHBL8	White dust shutter for BC range		8
BCDUSTSHB8	Blue dust shutter for BC range		8
BCDUSTSHR8	Red dust shutter for BC range		8
BCDUSTSHJ8	Yellow dust shutter for BC range		8
BCDUSTSHV8	Green dust shutter for BC range		8

CATEGORY 5E UNSHIELDED BC MODULAR JACKS



BC5ENB

BENEFITS

- Exceed CAT5e standard specification thanks to an optimized circuit
- Modularity on the thermination : punch down or special tool
- Compact keystone : low depth for a better compatibility with a big part of faceplate
- Compatible with RJ12 plug

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 1 G
- REMOTE POWER : POE

STANDARDS

- COMPONENT : IEC 60603-7-2
- SYSTEM : ISO 11801 ED2.2 Class D
  EIA/TIA 568-C.2 CAT5e
  EN 50173-1: 2011 Class D

CHARACTERISTICS

DIMENSIONS	19.30 mm x 33.50 mm x 16 mm (H x D x W)
CONTACT	Bronze / Platine / Nickel + Gold plating
COMPENSATION	Double layer PCB
IDC	V shape : Bronze / Platine and copper + SnPb
TERMINATION	Tooless or punchdown solid and stranded wire from AWG24 to AWG23
SHIELD	Unshielded
HOUSING	ABS

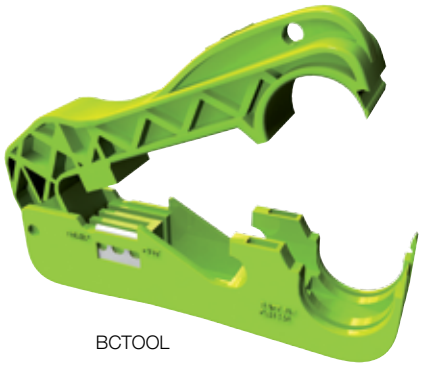
PROPERTIES

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom.
ELECTRICAL	Operating voltage	≤ 72V DC
	Voltage test	≥ 1000V DC contact to contact
	Contact resistance	≤ 20 mΩ IEC 60512-2-1
	Power capacity	≤ 15W
	Coupling attenuation	-
ENVIRONMENTAL	Operating temperature	-40°C to +70°C
	Fire rating	UL 94V0

ORDERING INFORMATION

ITEMS	DESCRIPTION	SHIELD	PACKAGING
BC5ENB8	CAT5e RJ45 connector unshielded BC range	Unshielded	8
BC5ENB	CAT5e RJ45 connector unshielded BC range	Unshielded	50
BCDUSTSHBL8	White dust shutter for BC range		8
BCDUSTSHB8	Blue dust shutter for BC range		8
BCDUSTSHR8	Red dust shutter for BC range		8
BCDUSTSHJ8	Yellow dust shutter for BC range		8
BCDUSTSHV8	Green dust shutter for BC range		8

BC MODULAR JACKS ACCESSORIES



BCTOOL

BENEFITS

- Proprietary tool for BC termination
- Allow termination for BC jacks
- Equipped with blade to strip the cable
- Scale for the stripping
- Integrated LED light

CHARACTERISTICS

DIMENSIONS	128.5 mm x 58 mm x 23 mm
FEATURES	Termination tool equipped with blade to strip the cable 6.5 to 7.5 mm
LABELING	Scale for stripping
MATERIAL	Fire retardant thermal plastic

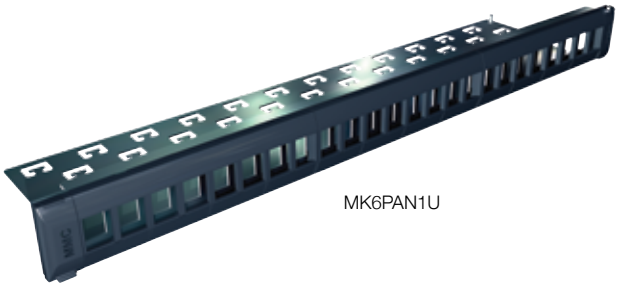
PROPERTIES

ENVIRONMENTAL	Operating temperature	-5°C to +45°C
	Fire rating	UL 94V0

ORDERING INFORMATION

ITEM	DESCRIPTION	PACKAGING
BCTOOL	Termination tool for BC jacks	Unit

MK SERIE MODULAR PATCH PANEL



MK6PAN1U

BENEFITS

- Modularity with 3 removable front plate
- Fast installation : only 2 screws
- Clear label identification of the port
- Colored identification of the port and/or of the panel
- Direct grounding on 19" mounting

CHARACTERISTICS

DIMENSIONS	483 mm x 44 mm x 107 mm
FOOTPRINT	Keystone flush mounted
FIXING	Central screw to 19" Mounting
IDENTIFICATION	Front label holder
CABLE MANAGEMENT	Rear cable manager with cable ties (included)

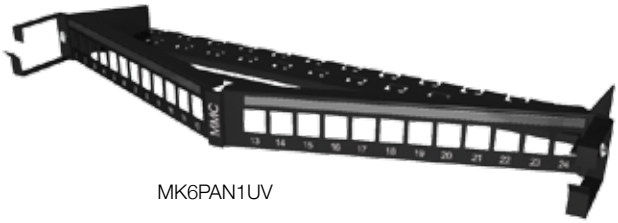
PROPERTIES

MECHANICAL	Tensile Loaded	>110 N
ELECTRICAL	Ground Contact	Direct grounding with 19" mounting
ENVIRONMENTAL	Operating temperature	-10°C to +60°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
MK6PAN1U	19" patch panel 24 ports 1U - MK range	Unit
MK6PAN2U	19" patch panel 48 ports 2U - MK range	Unit
MK6OB8PAN	8 ports blank module	Unit
MK6OB1	1 port snap in blank module	Unit
MK6CLIPB	Blue snap-in side module	8
MK6CLIPJ	Yellow snap-in side module	8
MK6CLIPR	Red snap-in side module	8
MK6CLIPV	Green snap-in side module	8

MK SERIE ANGLED PATCH PANEL



MK6PAN1UV

BENEFITS

- Improve the managament of patch cords in high density application
- Rear support management of the cable
- Lateral cable management rings
- Direct grounding on 19" mounting
- Clear identification : large and clear label holder

CHARACTERISTICS

DIMENSIONS	441.20 mm x 43.60 mm x 184.54 mm
FOOTPRINT	Keystone flush mounted
FIXING	Central screw to 19" Mounting
IDENTIFICATION	Front label holder
CABLE MANAGEMENT	Rear cable manager with cable ties

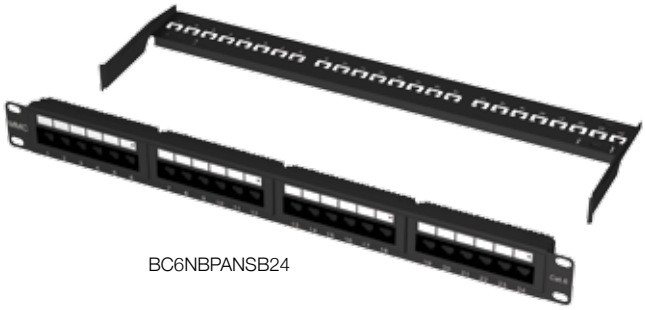
PROPERTIES

MECHANICAL	Tensile Loaded	>110 N
ELECTRICAL	Ground Contact	Direct grounding
ENVIRONMENTAL	Operating temperature	-10°C to +60°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
MK6PAN1UV	19" angled patch panel 24 ports 1U - MK range	Unit
MK6OB1	1 port snap in blank module	Unit

CATEGORY 6 BC SERIE PATCH PANEL



BC6NBPANSB24

BENEFITS

- Loaded patch panel unshielded CAT6 24 or 48 ports
- Equipped with support bar
- 180° punch down termination
- Color coding clearly identified : TIA 568 A or 568 B

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 1G
- REMOTE POWER : POEP

STANDARDS

- COMPONENT : IEC 60603-7-4
- SYSTEM : ISO 11801 ED2.2 Class E
  EIA/TIA 568-C.2 CAT6
  EN 50173-1: 2011 Class E

CHARACTERISTICS

DIMENSIONS	482.6 mm x 43.5 mm x 26.8 mm (without support bar)
CONTACT	Bronze / Nickel + Gold plating
COMPENSATION	2 layers compensation
IDC	110 Dual IDC Phosphor bronze
TERMINATION	180° punchdown solid and stranded wire from AWG24 to AWG22
CABLE MANAGEMENT	Rear support bar equipped with cable manager (with cable ties)

PROPERTIES

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom
ELECTRICAL	Operating voltage	≤ 72V DC
	Voltage test	≥ 1000V DC contact to contact
	Contact resistance	≤ 20 mΩ IEC 60512-2-1
	Power capacity	≤ 30W
	Coupling attenuation	-
ENVIRONNMENTAL	Operating temperature	-10°C to +60°C
	Fire rating	UL 94V0

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
BC6NBPANSB24	19" loaded CAT6 unshieded patch panel 24 ports 1U with support bar - BC range	Unit
BC6NBPANSB48	19" loaded CAT6 unshieded patch panel 48 ports 2U with support bar - BC range	Unit
MMCMTAT	Punch down tool	Unit

CATEGORY 5E BC SERIE PATCH PANEL



BC5ENBPANSB24

BENEFITS

- Loaded patch panel unshielded CAT5e 24 or 48 ports
- Equipped with support bar
- 180° punch down termination
- Color coding clearly identified : TIA 568 A or 568 B

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 1G
- REMOTE POWER : POE

STANDARDS

- COMPONENT : IEC 60603-7-2
- SYSTEM : ISO 11801 ED2.2 Class D
  EIA/TIA 568-C.2 CAT5e
  EN50173-1: 2011 Class D

CHARACTERISTICS

DIMENSIONS	482.6 mm x 43.5 mm x 26.8 mm
CONTACT	Bronze / Nickel + Gold plating
COMPENSATION	2 layers compensation
IDC	110 Dual IDC Phosphor bronze
TERMINATION	180° punchdown solid and stranded wire from AWG24 to AWG23
CABLE MANAGEMENT	Rear support bar equipped with cable manager (with cable ties)

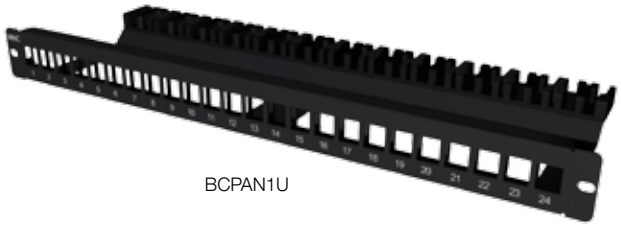
PROPERTIES

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom
ELECTRICAL	Operating voltage	≤ 72V DC
	Voltage test	≥ 1000V DC contact to contact
	Contact resistance	≤ 20 mΩ IEC 60512-2-1
	Power capacity	≤ 15W
	Coupling attenuation	-
ENVIRONNMENTAL	Operating temperature	-10°C to +60°C
	Fire rating	UL 94V0

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
BC5ENBPANSB24	19" loaded CAT5E unshieded patch panel 24 1U ports with support bar - BC series	Unit
BC5ENBPANSB48	19" loaded CAT5E unshieded patch panel 48 2U ports with support bar - BC series	Unit
MMCMTAT	Punch down tool	Unit

BC SERIE MODULAR PATCH PANEL



BCPAN1U

BENEFITS

- Unique rear system management to fix the cable without cable tie
- Direct grounding
- Modularity : blank module for unused port
- Keystone format

CHARACTERISTICS

DIMENSIONS	445 mm x 43.6 mm x 165 mm
FOOTPRINT	Keystone flush mounted
FIXING	Central screw to 19" Mounting
IDENTIFICATION	Front label holder
CABLE MANAGEMENT	Unique system management without cable ties

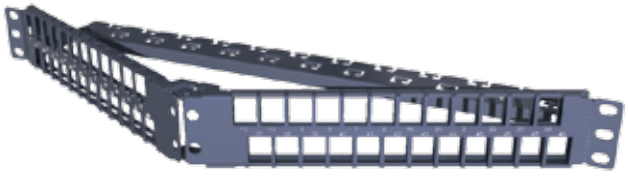
PROPERTIES

MECHANICAL	Tensile Loaded	>110 N
ELECTRICAL	Ground Contact	Direct grounding
ENVIRONMENTAL	Operating temperature	-10°C to +60°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
BCPAN1U	19" patch panel 24 ports 1U BC range	Unit
BCPAN2U	19" patch panel 48 ports 2U BC range	Unit
BCOB	Port blank module for BCPAN1U or BCPAN2U	10

PATCH PANEL 48 PORTS - 1U



BCPAN1UV48

BENEFITS

- Angled patch panel 48 ports on 1U dedicated for big density (with BCxFSTL jack)
- The angle patch panel is equipped with rings to allow a better management of patch cord
- The rear support is studied to allow the fixing of 48 cables
- A label holder on the middle of panel allows a clear identification

CHARACTERISTICS

DIMENSIONS	445 mm x 44 mm x 100 mm
FOOTPRINT	Keystone flush mounted
FIXING	2 screws on each side
IDENTIFICATION	Label holder
CABLE MANAGEMENT	Rear support bar with T shape to fix the cable

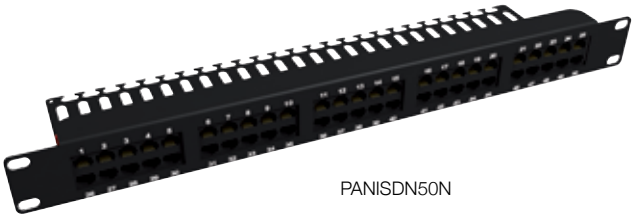
PROPERTIES

MECHANICAL	Tensile loaded	>110N
ELECTRICAL	Ground contact	Direct grounding
ENVIRONNMENTAL	Operating temperature	-10°C to +60°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
BCPAN1UV48	Angled patch panel 48 ports on 1U	Unit
BCxFSTL	Tooless RJ45 jack BC serie	8 or 50

CATEGORY 3 PATCH PANEL



PANISDN50N

BENEFITS

- Loaded voice panel
- ISDN telephone panel equipped with 50 or 60 UTP CAT3 ports
- PANISDNxxN : 4/5 and 3/6 pairs with punch down termination
- FIXMULTI60PABX :
  - 5 modules of 12 ports 4/5 and 7/8 pairs with tooless termination
  - Equipped with rings on the back for a better management of cable

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10MBPS

STANDARDS

- SYSTEM : ISO 11801 Class C
  EIA/TIA 568-B.2 CAT3
  EN 50173: 2011 Class C

CHARACTERISTICS

DIMENSIONS	483 mm x 44 mm x 170 mm
CONTACT	Phosphor Bronze / Nickel + Gold plating
COMPENSATION	Integrated PCB
IDC	Dual IDC Phosphor bronze
TERMINATION	PANISDNxxN : punchdown solid and stranded wire from AWG24 to AWG22 FIXMULTI60PABX : tooless solid wire from AWG24 to AWG22
CABLE MANAGEMENT	PANISDNxxN : Rear cable manager with cables ties FIXMULTI60PABX : Rear cable manager equipped with rings

PROPERTIES

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom
ELECTRICAL	Operating voltage	≤ 72V DC
	Voltage test	≥ 1000V DC contact to contact
	Contact resistance	≤ 20 mΩ IEC 60512-2-1
	Power capacity	≤ 10W
ENVIRONNMENTAL	Operating temperature	-10°C to +60°C
	Fire rating	UL94V0

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
PANISDN50N	19” voice panel 50 ports 4-5/3-6 - 1U	Unit
PANISDN60N	19” voice panel 60 ports 4-5/3-6 - 1U	Unit
FIXMULTI60PABX	19” voice panel 60 ports 4-5/7-8 - 1U tooless	Unit
MMCMTAT	Punch down tool	Unit

PUNCH DOWN TOOL



MMCMTAT

BENEFITS

- Punch down tool for block 110 IDC and KRONE
- Allow the termination of voice panel and RJ45 jacks with punch down
- Adjustable with wheel, autocutting with blade

CHARACTERISTICS

DIMENSIONS	171 mm x 38 mm x 29 mm
BLADE	Cast iron
TERMINATION	DUAL IDC : 110 AND KRONE

PROPERTIES

ENVIRONNMENTAL	Operating temperature	-10°C to +60°C
	Fire rating	UL94V0

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
MMCMTAT	Punch down tool for BC series jacks and pre-loaded panel	Unit
MMCLAMEMTAT	Blade for punch down tool	Unit

MK SERIE FACE PLATES - FRENCH STYLE



MK6451C

BENEFITS

- French style 45 x 45 mm to be loaded with MK series jacks
- Elegant design
- Translucide window and inclined labelling for a better visibility
- Hang system high density

CHARACTERISTICS

DIMENSIONS	45 mm x 45 mm 1 port or 2 ports
FEATURES	Interchangeable dust shutter flapping
LABELING	Individual label holder
CABLE ENTRY/EXIT	Rear cable tight system (for 1 port)
MATERIAL	Polycarbonate UV resistant White RAL 9010

PROPERTIES

ENVIRONMENTAL	Operating temperature	-5°C to +45°C
	Fire rating	UL94 V0
	Protection index	IP 20

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
MK6451C	45 x 45 mm French style face plate 1 connector MK range	8
MK6452C	45 x 45 mm French style face plate 2 connectors MK range	8

MK SERIE FACE PLATES - UK STYLE



WP1KS

BENEFITS

- UK style 86 x 86 mm to be loaded with MK series jacks
- Elegant design
- Translucide window and large labelling for a better visibility
- Provided with colors icons to manage identification : telephone or data
- Provided with screw

CHARACTERISTICS

DIMENSIONS	86 mm x 86 mm 1 port or 2 ports
FEATURES	Interchangeable dust shutter flapping
LABELING	Large individual label holder and colored icons
MATERIAL	Polycarbonate UV resistant RAL 9010

PROPERTIES

ENVIRONMENTAL	Operating temperature	-5°C to +45°C
	Fire rating	UL94V0
	Protection index	IP 20

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
WP1KS	86 x 86 mm UK style faceplate 1 connector MK range	8
WP2KS	86 x 86 mm UK style faceplate 2 connectors MK range	8

MK SERIE FACE PLATES - US STYLE



MK701C

BENEFITS

- US style 114 x 70 mm keystone format
- Elegant design and equipped with label holder equipped
- Strengthened structure : honey comb design
- Available for 1 port

CHARACTERISTICS

DIMENSIONS	114 mm x 70 mm for 1 port
FEATURES	Strengthened back part
CABLE ENTRY/EXIT	Individual fixing point for cable
MATERIAL	ABS UV resistant White RAL 9003

PROPERTIES

ENVIRONMENTAL	Operating temperature	-5°C to +45°C
	Fire rating	UL 94V0
	Protection index	IP 20

ORDERING INFORMATION

ITEM	DESCRIPTION	PACKAGING
MK701C	US face plate for 1 connector MK series	8

BC SERIE FACE PLATES - FRENCH STYLE



BC451C

BENEFITS

- French style 45 x 45 mm to be loaded with BC series jacks
- Elegant design
- Integrated dust shutters
- Inclined labelling for a better visibility and protected by a flapping crystal window
- Hang system high density

CHARACTERISTICS

DIMENSIONS	45 mm x 45 mm 1 port or 2 ports
FEATURES	Dust shutter flapping
LABELING	Individual and protected label holder
CABLE ENTRY/EXIT	Individual fixing point for cable
MATERIAL	ABS UV resistant White RAL 9003

PROPERTIES

ENVIRONMENTAL	Operating temperature	-5°C to +45°C
	Fire rating	UL94V0
	Protection index	IP 20

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
BC451C	45 x 45 mm French style face plate 1 connector BC range	50
BC452C	45 x 45 mm French style face plate 2 connectors BC range	50
BC451C8	45 x 45 mm French style face plate 1 connector BC range	8
BC452C8	45 x 45 mm French style face plate 2 connectors BC range	8

BC SERIE FACE PLATES - UK STYLE



BC861C

BENEFITS

- UK style 86 x 86 mm to be loaded with BC series jacks
- Elegant design
- Integrated dust shutters
- Inclined labelling for a better visibility and protected by a flapping crytal window
- Hang system high density

CHARACTERISTICS

DIMENSIONS	86 mm x 86 mm 1 port or 2 ports
FEATURES	Dust shutter flapping
LABELING	Individual and protected label holder
CABLE ENTRY/EXIT	Individual fixing point for cable
MATERIAL	ABS UV resistant white RAL 9003

PROPERTIES

ENVIRONMENTAL	Operating temperature	-5°C to +45°C
	Fire rating	UL94V0
	Protection index	IP 20

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
BC861C	86 x 86 mm French style face plate 1 connector BC range	10
BC862C	86 x 86 mm French style face plate 2 connectors BC range	10
BC864C	86 x 86 mm French style face plate 4 connectors BC range	10

BC SERIE FACE PLATES - US STYLE



BC701C

BENEFITS

- US style 114 x 70 keystone format
- Elegant design
- Strengthened structure : honey comb design

CHARACTERISTICS

DIMENSIONS	114 mm x 70 mm
FEATURES	Strengthened back part
CABLE ENTRY / EXIT	Individual fixing point for cable
MATERIAL	ABS white RAL 9003

PROPERTIES

ENVIRONMENTAL	Operating temperature	-5°C to +45°C
	Fire rating	UL94V0
	Protection index	IP 20

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
BC701C	US face plate 114 mm x 70 mm for 1 connector BC range	8
BC702C	US face plate 114 mm x 70 mm for 2 connectors BC range	8
BC703C	US face plate 114 mm x 70 mm for 3 connector BC range	8
BC704C	US face plate 114 mm x 70 mm for 4 connector BC range	8
BC706C	US face plate 114 mm x 70 mm for 6 connector BC range	8

SURFACE MOUNTING BOXES



WP8686PR9003

BENEFITS

- 86 x 86 mm surface mounting box
- Available in two depth: 35 mm or 45 mm
- Pre cut in order to ensure a good bending radius
- Elegant finishing

CHARACTERISTICS

DIMENSIONS	86 mm x 86 mm single gang
FEATURES	Interchangeable dust shutter flapping
LABELING	Individual label holder on wall plate
CABLE ENTRY/EXIT	Pre cut entry
MATERIAL	Polycarbonate UV resistant White RAL 9003

PROPERTIES

ENVIRONMENTAL	Operating temperature	-10°C to +60°C
	Fire rating	UL 94V0
	Protection index	IP 20

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
WP8686R9003	86 x 86 mm surface mounting box depth 35 mm	Unit
WP8686PR9003	86 x 86 mm surface mounting box depth 45 mm	Unit

MULTI APPLICATION PLUG



PL6AFS

BENEFITS

- Plug for solid core up to AWG22
- 360° shielding
- Integrated locking device for secure connection
- Tooless termination
- Classe Ea performance

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G
- REMOTE POWER : POEP

STANDARDS

- SYSTEM : ISO11801 Ed2.2 Classe Ea
  EIA/TIA 568-C.2 CAT6A
  EN 50173: 2011 Classe Ea

CHARACTERISTICS

DIMENSIONS	21.2 mm x 19 mm x 18.2 mm
CONTACT	Gold plating 50 µ inch
COMPENSATION	Double layer PCB
IDC	V shape : bronze / Nickel 8 µm
TERMINATION	Tooless solid wire from AWG24 to AWG22
SHIELD	360° with spring contact
HOUSING	Zamac

PROPERTIES

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom.
ELECTRICAL	Operating voltage	≤ 72V DC
	Voltage test	≥ 1000V DC contact to contact ≥ 1500V DC contact to screen
	Contact resistance	≤ 20 mΩ IEC 60512-2-1
	Power capacity	≤ 30W
ENVIRONMENTAL	Operating temperature	-40°C to +70°C
	Fire rating	UL 94V0

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
PL6AFS	Multifonction CAT6A full shielded RJ45 plug for solid wire	Unit
PL6AFS8	Multifonction CAT6A full shielded RJ45 plug for solid wire	8
PL6AFSKEY	Key for the locking system of PL6AFS	Unit

ROTATING MULTI APPLICATION PLUG



PLAG6ANB

BENEFITS

- Rotated plug for solid wire : 135° rotation allow a very low bending radius
- Tooless termination
- Classe Ea performance
- Innovative technology with a flexible PCB
- Color code clearly identified

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G
- REMOTE POWER : POEP

STANDARDS

- SYSTEM : ISO11801 Ed2.2 Classe Ea
  EIA/TIA 568-C.2 CAT6A
  EN 50173: 2011 Classe Ea

CHARACTERISTICS

DIMENSIONS	50.50 mm x 13.60 mm x 8 mm
CONTACT	Gold plating 50 µ inch
COMPENSATION	Flexible PCB
IDC	V shape : Phosphor bronze and nickel plating
TERMINATION	Tooless solid and stranded wire from AWG24 to AWG22 (insulation max 1.27 mm)
SHIELD	Unshielded
HOUSING	Fire retardant thermal plastic

PROPERTIES

MECHANICAL	Rotation Cycles	50 Cycles
ELECTRICAL	Operating voltage	≤ 72V DC
	Voltage test	≥ 1000V DC contact to contact
	Contact resistance	≤ 20 mΩ IEC 60512-2-1
	Power capacity	≤ 30W
ENVIRONMENTAL	Operating temperature	-40°C to +70°C
	Fire rating	UL 94V0

ORDERING INFORMATION

ITEM	DESCRIPTION	PACKAGING
PLAG6ANB	Unshielded rotating RJ5 plug Classe Ea performance	Unit

RJ45 PLUGS



MMCRJ45SC6

BENEFITS

- High performance plug
- Available in shielded or unshielded, for stranded or solid wires
- Gold plating 50µ to ensure an excellent conductivity
- Conductors on 2 levels for a good crosstalk
- BW : special plug dedicated to big wire with insulated diameter up to 1.5 mm
- SI : insert integrated plug to reduce termination time

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G WITH CAT6A PLUG
- REMOTE POWER : POEP

STANDARDS

- COMPONENT : IEC 60603-7
- SYSTEM : ISO 11801
  EIA/TIA 568-C.2
  EN 50173-1: 2011

CHARACTERISTICS

DIMENSIONS	21.52 mm x 11.68 mm x 8.27 mm
CONTACT	Gold plated / 2 prongs for stranded wire Gold Plated / 3 prongs for solid & stranded wires
TERMINATION	SI : Integrated contact Others : Insert bar with unscotched contact
SHIELD	MMCRJ45Sxxx : Copper tinned housing
HOUSING	Crystal polycarbonate

PROPERTIES

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom
ELECTRICAL	Operating temperature	- 40°C to +70°C
	Fire rating	UL 94V0

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
MMCRJP8ER	CAT5E Unshielded RJ45 modular plug for stranded wire	100
MMCRJP8BLMER	CAT5E Shielded RJ45 modular plug for stranded wire	100
MMCRJ45UC6SI	CAT6 Unshielded RJ45 modular plug for stranded wire with insert integrated	100
MMCRJ45SC6SI	CAT6 Shielded RJ45 modular plug for stranded wire with insert integrated	100
MMCRJ45SC6A	CAT6A Shielded RJ45 modular plug for stranded wire with insert integrated	100
MMCRJ45SC6BW1	CAT6 Shielded RJ45 modular plug for big wire (diameter < 1.5 mm)	100

OTHER PLUGS



RJP64

BENEFITS

- RJ9, RJ11 or RJ12 plug for flat telephone cable
- Gold plated
- Unshielded plug

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 100MBPS

STANDARDS

- SYSTEM : ISO 11801
  EIA/TIA 568-C.2
  EN 50173-1: 2011

CHARACTERISTICS

DIMENSIONS	12.32 mm x 7.62 (RJ9) or 9.6 (RJ11/12) mm x 7.8 mm
CONTACT	Gold plated 2 prongs
TERMINATION	Crimping
SHIELD	Unshielded
HOUSING	Crystal polycarbonate

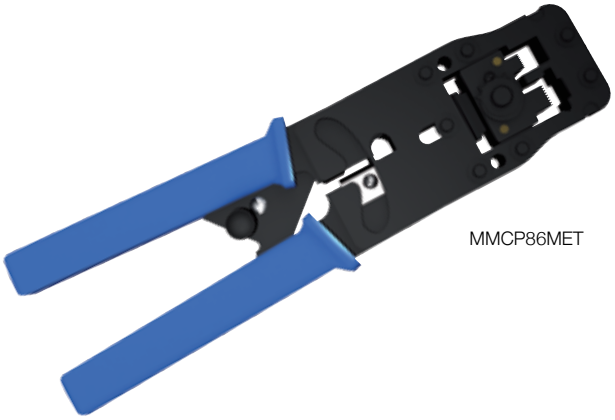
PROPERTIES

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom
ELECTRICAL	Operating temperature	-40°C to +70°C
	Fire rating	UL 94V0

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
RJP44	RJ9 plug unshielded for flat cable	100
RJP64	RJ11 plug unshielded for flat cable	100
RJP66	RJ12 plug unshielded for flat cable	100

CRIMPING TOOLS



MMCP86MET

BENEFITS

- Tool for crimping : RJ45 plug (8P8C) or RJ12 plug (6P6C)
- Special tool for intensive use with adjustable crimping pressure
- BW: special tool for plug MMCRJ45SC6BW1 dedicated to big wires

CHARACTERISTICS

DIMENSIONS	50.5 mm x 13.6 mm x 220 mm
CRIMPING	Gold plating 50µinch
CONSTRUCTION	Steel
HANDLE	Rubber
COATING	Black oxide finished

PROPERTIES

ENVIRONMENTAL	Operating temperature	-40°C to +70°C
	Fire rating	UL 94V0

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
MMCP86MET	Crimping tool for RJ45 and RJ12 plugs	Unit
MMCP86METBW1	Crimping tool for RJ45 plugs big wire (MMCRJ45SC6BW1)	Unit

BOOTS



MRJSR6

BENEFITS

- Boots for RJ45 plug : for cable diameter 6 mm or for cable diameter up to 7.4 mm
- Available in different color to allow an excellent identification of the port compliant with TIA606

CHARACTERISTICS

DIMENSIONS	26 mm x 13.7 mm x 8.2 mm for MRJSRx 26 mm x 14.2 mm x 11 mm for MRJBWx1
CABLE DIAMETER	cable diameter from 4 mm to 7.5 mm
COLOR AVAILABLE	Black/Red/Yellow/Green/Grey/Blue
MATERIAL	PVC

PROPERTIES

ENVIRONMENTAL	Operating temperature	-40°C to +70°C
	Fire rating	UL 94V0

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
MRJSR635	Grey boots for RJ45 plug and cable diameter of 6 mm	100
MRJSR6x	Colored boots for RJ45 plug and cable diameter of 6 mm	100
MRJTSx	Colored boots for RJ45 slim type and cable diameter < 6 mm	100
MRJBWN1	Black boots for RJ45 plug big wire (MMCRJ45SC6BW1) cable diameter up to 7.5 mm	100
MRJBWG1	Grey boots for RJ45 plug big wire (MMCRJ45SC6BW1) cable diameter up to 7.5 mm	100

For the color replace x letter by N : black, J : Yellow, R : Red, V : Green, B : Blue

COPPER SYSTEMS

COPPER PATCH CORDS

CAT6 A COPPER PATCH CORDS

- Category 6a S/FTP LED patch cords 64
- Category 6a U/FTP patch cords 65
- Category 6a U/UTP patch cords 66

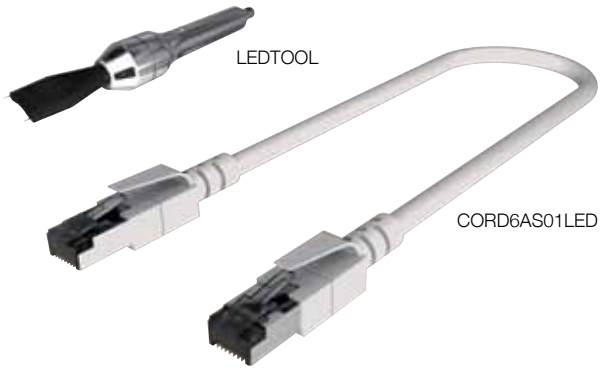
CAT6 COPPER PATCH CORDS

- Category 6 U/FTP patch cords 67
- Category 6 U/UTP patch cords 68

CAT5E COPPER PATCH CORDS

- Category 5e F/UTP patch cords 69
- Category 5e U/UTP patch cords 70

CATEGORY 6A S/FTP LED PATCH CORDS



BENEFITS

- LED identification to allow an easy and quick maintenance in high density cabinet
- Clearly visible from long distance
- Exceed CAT6A standard
- Wire termination on two level to improve the NEXT
- Gold plated 50 µ inch

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G
- REMOTE POWER : POEP

STANDARDS

- COMPONENT : TIA 568-C.2 CAT6A
- SYSTEM : ISO 11801 ED2.2 Class Ea
  EIA/TIA 568-C.2 CAT6A
  EN 50173-1: 2011 Class Ea

CHARACTERISTICS

PLUG	RJ45 High performance CAT6A special insert bar on two levels for NEXT compensation
BOOTS	Snagless moulded boots extra flexible
CABLE	Shielded : S/FTP
IDENTIFICATION	LED : Red light

PROPERTIES

MECHANICAL	Mating Cycles	750 cycles min / 1000 nom
	Bending radius	8 x outer diameter
ELECTRICAL	Operating temperature	-20°C to +70°C
	Fire rating	UL94V0 IEC 60332-1

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
CORD6AS01LED	CAT6A LED shielded S/FTP patch cord 1 m	Unit
CORD6AS02LED	CAT6A LED shielded S/FTP patch cord 2 m	Unit
CORD6AS03LED	CAT6A LED shielded S/FTP patch cord 3 m	Unit
CORD6AS05LED	CAT6A LED shielded S/FTP patch cord 5 m	Unit
CORD6AS10LED	CAT6A LED shielded S/FTP patch cord 10 m	Unit
LEDTOOL	LED activation tool	Unit

CATEGORY 6A U/FTP PATCH CORDS



BENEFITS

- 100% component compliant
- Wire termination on two level to improve the NEXT
- Gold plated 50 µ inch
- LSZH jacket and different colors available to allow an identification according to TIA 606A

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G
- REMOTE POWER : POEP

STANDARDS

- COMPONENT : TIA 568-C.2 CAT6A
- SYSTEM : ISO 11801 ED2.2 Class Ea
  EIA/TIA 568-C.2 CAT6A
  EN 50173-1: 2011 Class Ea

CHARACTERISTICS

PLUG	RJ45 High performance CAT6A special insert bar on two levels for NEXT compensation
BOOTS	Snagless moulded boots extra flexible
CABLE	Shielded : U/FTP
IDENTIFICATION	Purple boots for CAT6A performance

PROPERTIES

MECHANICAL	Mating Cycles	750 cycles min / 1000 nom
	Bending radius	8 x outer diameter
ELECTRICAL	Operating temperature	-20°C to +70°C
	Fire rating	UL 94V0 IEC 60332-1

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
CORD6AS01MSH	CAT6A shielded U/FTP patch cord 1 m	Unit
CORD6AS02MSH	CAT6A shielded U/FTP patch cord 2 m	Unit
CORD6AS03MSH	CAT6A shielded U/FTP patch cord 3 m	Unit
CORD6AS05MSH	CAT6A shielded U/FTP patch cord 5 m	Unit
CORD6AS10MSH	CAT6A shielded U/FTP patch cord 10 m	Unit

CATEGORY 6A U/UTP PATCH CORDS



BENEFITS

- 100% component compliant: individual test include in the packaging
- PE cross separator to reduce the crosstalk
- Wire termination on two level to improve the NEXT
- Gold plated 50µ inch
- LSZH jacket and different colors available to allow an identification according to TIA 606A

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G
- REMOTE POWER : POEP

STANDARDS

- COMPONENT : TIA568-C.2 CAT6A
- SYSTEM : ISO 11801 ED2.2 Class Ea
  EIA/TIA 568-C.2 CAT6A
  EN 50173-1: 2011 Class Ea

CHARACTERISTICS

PLUG	RJ45 High performance CAT6A special insert bar on two levels for NEXT compensation
BOOTS	Snagless moulded boots extra flexible
CABLE	Unshielded : U/UTP
IDENTIFICATION	Purple boots for CAT6A performance

PROPERTIES

MECHANICAL	Mating Cycles	750 cycles min / 1000 nom
	Bending radius	8 x outer diameter
ELECTRICAL	Operating temperature	-20°C to +70°C
	Fire rating	UL 94V0 IEC 60332-1

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
CORD6AU01MSH	CAT6A unshielded U/UTP patch cord 1 m	Unit
CORD6AU02MSH	CAT6A unshielded U/UTP patch cord 2 m	Unit
CORD6AU03MSH	CAT6A unshielded U/UTP patch cord 3 m	Unit
CORD6AU05MSH	CAT6A unshielded U/UTP patch cord 5 m	Unit
CORD6AU10MSH	CAT6A unshielded U/UTP patch cord 10 m	Unit

CATEGORY 6 U/FTP PATCH CORDS



BENEFITS

- Exceed CAT6 performance
- 100% component compliant
- Wire termination on two level to improve the NEXT
- LSZH jacket and different colors availables to allow an identification according to TIA 606A

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G (TR24750 AND TSB155)
- REMOTE POWER : POEP

STANDARDS

- COMPONENT : TIA 568-C.2
- SYSTEM : ISO 11801 ED2.2 Class E
  EIA/TIA 568-C.2 CAT6
  EN 50173-1: 2011 Class E

CHARACTERISTICS

PLUG	RJ45 High performance CAT6
BOOTS	Moulded boots extra flexible
CABLE	Shielded : U/FTP
IDENTIFICATION	Colored patch cords

PROPERTIES

MECHANICAL	Mating Cycles	750 cycles min / 1000 nom
	Bending radius	8 x outer diameter
ELECTRICAL	Operating temperature	-20°C to +70°C
	Fire rating	UL 94V0 IEC 60332-1

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
TX50405M	CAT6 shielded U/FTP patch cord 0.5 m	Unit
TX50405YM	Colored CAT6 shielded U/FTP patch cord 0.5 m	Unit
TX5041M	CAT6 shielded U/FTP patch cord 1 m	Unit
TX5041YM	Colored CAT6 shielded U/FTP patch cord 1 m	Unit
TX5042M	CAT6 shielded U/FTP patch cord 2 m	Unit
TX5042YM	Colored CAT6 shielded U/FTP patch cord 2 m	Unit
TX5043M	CAT6 shielded U/FTP patch cord 3 m	Unit
TX5043YM	Colored CAT6 shielded U/FTP patch cord 3 m	Unit
TX5045M	CAT6 shielded U/FTP patch cord 5 m	Unit
TX5045YM	Colored CAT6 shielded U/FTP patch cord 5 m	Unit
TX50410M	CAT6 shielded U/FTP patch cord 10 m	Unit
TX50410YM	Colored CAT6 shielded U/FTP patch cord 10 m	Unit

For the color replace Y letter with : J = yellow, B = blue , R = red, V = green

CATEGORY 6 U/UTP PATCH CORDS



BENEFITS

- Exceed CAT6 performance
- 100% component compliant
- Wire termination on two level to improve the NEXT
- LSZH jacket and different colors available to allow an identification according to TIA 606A

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 10 G (TR24750 AND TSB155)
- REMOTE POWER : POEP

STANDARDS

- COMPONENT : TIA568-C.2
- SYSTEM : ISO 11801 ED2.2 Class E
  EIATIA 568-C.2 CAT6
  EN 50173-1 2011 Class E

CHARACTERISTICS

PLUG	RJ45 High performance CAT6
BOOTS	Moulded boots extra flexible
CABLE	Unshielded : U/UTP
IDENTIFICATION	Coloured patch cords

PROPERTIES

MECHANICAL	Mating Cycles	750 cycles min / 1000 nom
	Bending radius	8 x outer diameter
ELECTRICAL	Operating temperature	-20°C to +70°C
	Fire rating	UL 94V0 IEC 60332-1

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
VG5041M	CAT6 unshielded U/UTP patch cord 1 m lenght	Unit
VG5041YM	Colored CAT6 unshielded U/UTP patch cord 1 m lenght	Unit
VG5042M	CAT6 unshielded U/UTP patch cord 2 m lenght	Unit
VG5042YM	Colored CAT6 unshielded U/UTP patch cord 2 m lenght	Unit
VG5043M	CAT6 unshielded U/UTP patch cord 3 m lenght	Unit
VG5043YM	Colored CAT6 unshielded U/UTP patch cord 3 m lenght	Unit
VG5045M	CAT6 unshielded U/UTP patch cord 5 m lenght	Unit
VG5045YM	Colored CAT6 unshielded U/UTP patch cord 5 m lenght	Unit
VG50410M	CAT6 unshielded U/UTP patch cord 10 m lenght	Unit
VG50410YM	Colored CAT6 unshielded U/UTP patch cord 10 m lenght	Unit

For the color replace Y letter with : J = yellow, B = blue , R = red, V = green

CATEGORY 5E F/UTP PATCH CORDS



TX4001M

BENEFITS

- Exceed CAT5e standard specification
- Gold plated
- LSZH jacket and different colors available to allow an identification according to TIA 606A

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 1 G
- REMOTE POWER : POE

STANDARDS

- COMPONENT : TIA 568-C.2
- SYSTEM : ISO 11801 ED2.2 Class D
  EIA/TIA 568-C.2 CAT5e
  EN 50173-1 2011 Class D

CHARACTERISTICS

PLUG	RJ45 shielded high performance CAT5E
BOOTS	Moulded boots extra flexible
CABLE	Shielded : F/UTP
IDENTIFICATION	Coloured patch cords

PROPERTIES

MECHANICAL	Mating Cycles	750 cycles min / 1000 nom
	Bending radius	8 x outer diameter
ELECTRICAL	Operating temperature	-20°C to +70°C
	Fire rating	UL 94V0 IEC 60332-1

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
TX40005M	CAT5E shielded F/UTP patch cord 0.5 m lenght	Unit
TX40005YM	Colored CAT5E shielded F/UTP patch cord 0.5 m lenght	Unit
TX4001M	CAT5E shielded F/UTP patch cord 1 m lenght	Unit
TX4001YM	Colored CAT5E shielded F/UTP patch cord 1 m lenght	Unit
TX4002M	CAT5E shielded F/UTP patch cord 2 m lenght	Unit
TX4002YM	Colored CAT5E shielded F/UTP patch cord 2 m lenght	Unit
TX4003M	CAT5E shielded F/UTP patch cord 3 m lenght	Unit
TX4003YM	Colored CAT5E shielded F/UTP patch cord 3 m lenght	Unit
TX4005M	CAT5E shielded F/UTP patch cord 5 m lenght	Unit
TX4005YM	Colored CAT5E shielded F/UTP patch cord 5 m lenght	Unit
TX40010M	CAT5E shielded F/UTP patch cord 10 m lenght	Unit
TX40010YM	Colored CAT5E shielded F/UTP patch cord 10 m lenght	Unit

Replace Y letter with : J = yellow, B = blue , R = red, V = green

CATEGORY 5E U/UTP PATCH CORDS



VG4001M

BENEFITS

- Exceed CAT5e standard specification
- Gold plated
- LSZH jacket and different colors available to allow an identification according to TIA 606A

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 1 G
- REMOTE POWER : POE

STANDARDS

- COMPONENT : TIA 568-C.2
- SYSTEM : ISO 11801 ED2.2 Class D
  EIA/TIA 568-C.2 CAT5e
  EN 50173-1: 2011 Class D

CHARACTERISTICS

PLUG	RJ45 shielded high performance CAT5E
BOOTS	Moulded boots extra flexible
CABLE	Unshieldied : U/UTP
IDENTIFICATION	Coloured patch cords

PROPERTIES

MECHANICAL	Mating Cycles	750 cycles min / 1000 nom
	Bending radius	8 x outer diameter
ELECTRICAL	Operating temperature	-20°C to +70°C
	Fire rating	UL 94V0 IEC 60332-1

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
VG40005M	CAT5E shielded U/UTP patch cord 0.5 m lenght	Unit
VG40005YM	Colored CAT5E shielded U/UTP patch cord 0.5 m lenght	Unit
VG4001M	CAT5E shielded U/UTP patch cord 1 m lenght	Unit
VG4001YM	Colored CAT5E shielded U/UTP patch cord 1 m lenght	Unit
VG4002M	CAT5E shielded U/UTP patch cord 2 m lenght	Unit
VG4002YM	Colored CAT5E shielded U/UTP patch cord 2 m lenght	Unit
VG4003M	CAT5E shielded U/UTP patch cord 3 m lenght	Unit
VG4003YM	Colored CAT5E shielded U/UTP patch cord 3 m lenght	Unit
VG4005M	CAT5E shielded U/UTP patch cord 5 m lenght	Unit
VG4005YM	Colored CAT5E shielded U/UTP patch cord 5 m lenght	Unit
VG40010M	CAT5E shielded U/UTP patch cord 10 m lenght	Unit
VG40010YM	Colored CAT5E shielded U/UTP patch cord 10 m lenght	Unit

For the color replace Y letter with : J = yellow, B = blue , R = red, V = green

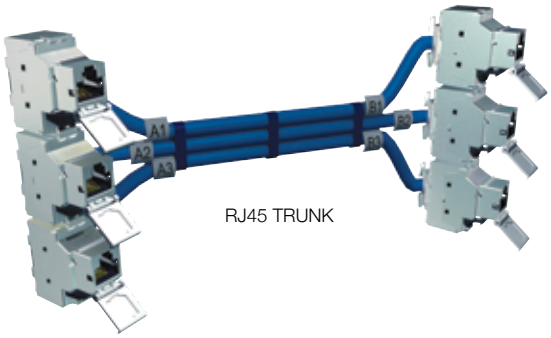
COPPER SYSTEMS

COPPER PRE-TERM

RJ45 PRE-TERMINATED LINK

RJ45 trunk 72
Consolidation link 73
Multi-assembly patch cords 74

RJ45 TRUNK



RJ45 TRUNK

BENEFITS

- Pre-terminated link to allow a reduction of the installation time
- Pre-terminated link on request : lenght, category, shielding
- Each link are tested (test is included)
- Different solutions of cable assemblies are available

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET
- REMOTE POWER : POE

STANDARDS

- SYSTEM : ISO 11801 ED2.2
  EIA/TIA 568-C.2
  EN 50173-1

CHARACTERISTICS

RJ45 JACKS	RJ45 jacks high performance : MK or BC or BCTL
CABLE	Stranded or solid core cable Shielded or unshielded solution
ASSEMBLY	jacketed cables / velcro ties / plastic ties / polyamid braid
TEST	Each link are tested following ISO or TIA standard
IDENTIFICATION	Colored dust shutter and labelling of each link

PROPERTIES

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom
	Bending radius	8 x outer diameter
ENVIRONMENTAL	Operating temperature	-20°C to +70°C
	Fire rating	IEC 60332-1

CONSOLIDATION LINK



CONSOLIDATION LINK

BENEFITS

- Consolidation link offers the solution in case of open space office and gives a modularity on the structured cabling
- Consolidation point can be easily installed on double ceiling or double floor

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET
- REMOTE POWER : POE

STANDARDS

- SYSTEM : ISO 11801 ED2.2
  EIA/TIA 568-C.2
  EN 50173-1

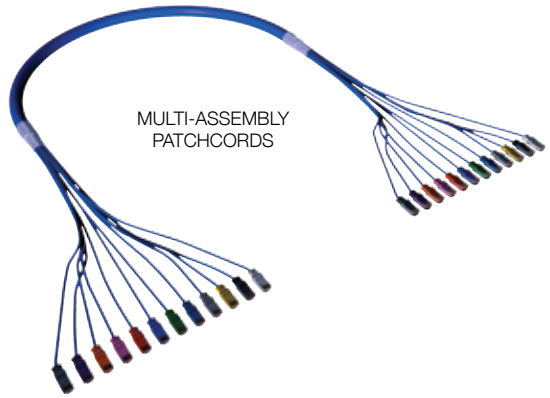
CHARACTERISTICS

RJ45 JACKS	RJ45 jacks high performance : MK or BC or BCTL CAT5E to CAT6A
CABLE	Stranded or solid core cable Shielded or unshielded solution
ASSEMBLY	jacketed cables / velcro ties / plastic ties / polyamid braid
TEST	Each link are tested following ISO or TIA standard
IDENTIFICATION	Colored dust shutter and labelling of each link

PROPERTIES

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom
	Bending radius	8 x outer diameter
ENVIRONMENTAL	Operating temperature	-20°C to +70°C
	Fire rating	IEC 60332-1

MULTI-ASSEMBLY PATCH CORDS



BENEFITS

- Patch cords assembled in one bundle that allow easiest cabling management
- Straight or harmonica organisation

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET

STANDARDS

- SYSTEM : ISO 11801
  EIA/TIA 568-C.2
  EN 50173-1

CHARACTERISTICS

RJ45 JACKS	RJ45 plugs high performance : CAT5E to CAT6A
CABLE	Stranded core cable Shielded or unshielded solution
ASSEMBLY	jacketed cables / velcro ties / plastic ties / polyamid braid
TEST	Can be tested with channel configuration or component
IDENTIFICATION	Colored boots and labelling of each link

PROPERTIES

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom
	Bending radius	8 x outer diameter
ENVIRONMENTAL	Operating temperature	-20°C to +70°C
	Fire rating	UL 94V0 IEC 60332-1

COPPER SYSTEMS

COPPER ACCESSORIES

RJ45 COUPLERS

Category 6A RJ45 Shielded coupler 76

RJ45 SPLITTERS

Category 5 splitters 77

Category 3 splitters (4-5/7-8) 78

GALVANIC ISOLATOR

Galvanic Isolator 79

WALL MOUNTED BOXES

Aluminium boxes 80

DIN RAILS SUPPORTS

DIN rails supports 81

ACCESSORIES

Locking system RJ45 port 82

CATEGORY 6A RJ45 SHIELDED COUPLER



COUPLK6AFS

BENEFITS

- CAT6A RJ45 Coupler female/female for cross connect or consolidation point
- Shielded coupler with high EMC
- Ensure a Classe Ea performance of the link
- Direct connection without tool

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : CAT6A ETHERNET UP TO 10G
- REMOTE POWER : POEP

STANDARDS

- COMPONENT : IEC 60603-7
- SYSTEM : ISO 11801 ED2.2 Class Ea
  EIA/TIA 568-C.2 CAT6A
  EN 50173-1: 2011 Class Ea

CHARACTERISTICS

DIMENSIONS	30 mm x 20.3 mm x 16.4 mm
CONTACT	Gold plated contact
COMPENSATION	Double Layer integrated PCB + Lead frame
HOUSING	Zamac 5

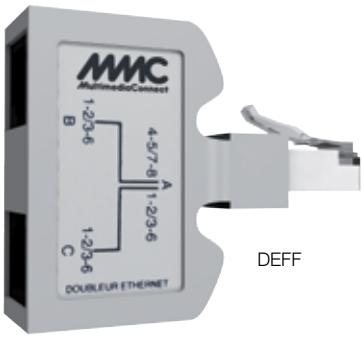
PROPERTIES

MECHANICAL	Insertion Cycles	750 cyles min
ELECTRICAL	Current rating	1.5 A
	Insulation resistance	500 mΩ
	Contact resistance	20 mΩ
	Power capacity	≥ 30W
ENVIRONMENTAL	Operating temperature	-40°C to +70°C
	Fire rating	UL 94V0

ORDERING INFORMATION

ITEM	DESCRIPTION	PACKAGING
COUPLK6AFS	CAT6A fully shielded RJ45 coupler female/female	Unit

CATEGORY 5 SPLITTERS



DEFF

BENEFITS

- Splitter for Ethernet application up to 100 Mbps using pairs 1/2 & 3/6
- Allow the connection of two work station in only one socket
- Available for shielded or unshileded link
- Fixed application DEFF
- Mobile application DEFM

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 100MBPS

STANDARDS

- SYSTEM : ISO 11801
  TIA 568-C.2 CAT5

CHARACTERISTICS

DIMENSIONS	43 mm x 38 mm x 20 mm
CONTACT	Gold plated contact
COMPENSATION	PCB
HOUSING	Polycarbonate

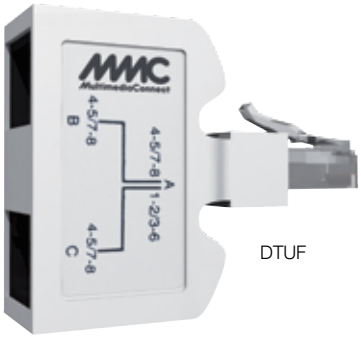
PROPERTIES

MECHANICAL	Mating Cycles	750 nom
ELECTRICAL	Operating voltage	≥ 72V D.C
	Contact resistance	20 mΩ
	Power capacity	15W
ENVIRONMENTAL	Operating temperature	-10°C to +40°C
	Fire rating	UL 94 V0

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
DEFF	Ethernet 1/2 - 3/6 paires splitter 2 female input and 1 male output for fixe application	Unit
DEFM	Ethernet 1/2 - 3/6 paires splitter 2 female input and 1 female output for mobile application	Unit

CATEGORY 3 SPLITTERS (4-5/7-8)



DTUF

BENEFITS

- Splitter for telephone application using pairs 4/5 and 7/8
- Allows the connection of two telephone stations in only one socket
- Fixed application DTUF
- Mobile application DTUM

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 10MBPS

STANDARDS

- SYSTEM : ISO 11801
  TIA 568-C.2 CAT3

CHARACTERISTICS

DIMENSIONS	43 mm x 38 mm x 20 mm
CONTACT	Gold plated contact
COMPENSATION	PCB
HOUSING	Polycarbonate

PROPERTIES

MECHANICAL	Mating Cycles	750 nom
ELECTRICAL	Operating voltage	≥ 72V DC
	Contact resistance	20 mΩ
	Power capacity	15W
ENVIRONMENTAL	Operating temperature	-10°C to +40°C
	Fire rating	UL 94 V0

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
DTUM	Ethernet 4/5 - 7/8 paires splitter 2 female input and 1 male output for mobil application	Unit
DTUF	Ethernet 4/5 - 7/8 paires splitter 2 female input and 1 female output for fix application	Unit

GALVANIC ISOLATOR



ISOGALVRJ45

BENEFITS

- Plug and play device to create isolation between network equipments
- Compliant with EN 60601 Medical electrical equipment safety standard
- Equipped with identification icons

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 1GBPS

STANDARDS

- SYSTEM : ISO 11801
  TIA 568-C.2
  EN 50173-1
  EN 60601

CHARACTERISTICS

DIMENSIONS	64.90 mm x 29.40 mm x 49.90 mm
WEIGHT	58g
COMPENSATION	PCB
SHIELD	Full shielded
HOUSING	ABS

PROPERTIES

ELECTRICAL	Voltage withstand	4 KV
	Voltage test	4000 Vrms
	Return Loss of isolation component	< -6 dB @ 100Mhz
	Transmission lenght	90 m
ENVIRONMENTAL	Operating temperature	0°C to +60°C
	Fire rating	UL 94V0

ORDERING INFORMATION

ITEM	DESCRIPTION	PACKAGING
ISOGALVRJ45	Network galvanic isolator	Unit

ALUMINIUM BOXES



BLOCCLIP2P

BENEFITS

- Aluminium box to be loaded with 45 x 45 module : data or electrical to allow a modularity on the cabling
- Can be equipped with 2 to 8 modules
- Equipped with a cable gland allow up to 8 cables

CHARACTERISTICS

DIMENSIONS	2 positions: 145 x 59 mm 3 positions: 190 x 59 mm 4 positions: 235 x 59 mm 5 positions: 280 x 59 mm 6 positions: 325 x 59 mm 7 positions: 370 x 59 mm 8 positions: 415 x 59 mm
COATING	Anodized aluminium natural color

PROPERTIES

ENVIRONMENTAL	Operating temperature	0°C to +60°C
	Fire rating	UL 94V0

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
BLOCCLIP2P	Aluminium box for 2 45 x 45 mm module	Unit
BLOCCLIP3P	Aluminium box for 3 45 x 45 mm module	Unit
BLOCCLIP4P	Aluminium box for 4 45 x 45 mm module	Unit
BLOCCLIP5P	Aluminium box for 5 45 x 45 mm module	Unit
BLOCCLIP6P	Aluminium box for 6 45 x 45 mm module	Unit
BLOCCLIP7P	Aluminium box for 7 45 x 45 mm module	Unit
BLOCCLIP8P	Aluminium box for 8 45 x 45 mm module	Unit

DIN RAIL SUPPORTS



SUPRJ45DIN

BENEFITS

- RJ45 support for DIN RAIL
- Allow the fixation of RJ45 connector on DIN RAIL
- Support available for 1 or 8 connectors

CHARACTERISTICS

DIMENSIONS	Support 1 connector : 51.2 x 40.2 x 18 (H x D x W)
MATERIAL	Stainless steel 1.5 mm

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
SUPRJ45DIN	DIN RAIL support for 1 RJ45 connector	Unit
ASBNEA3101	DIN RAIL support for 8 RJ45 connectors	Unit

LOCKING SYSTEM RJ45 PORT





LOCKRJ45G

BENEFITS

- Allows the locking of unused RJ45 ports in order to secure the network against not desired connection/deconnection
- Security of patch panel or faceplate
- Unlocked with a key
- Can be adapted on all RJ45 jack (BC and MK)
- Different color are availables to allow identification of the cabling system in accordance with TIA 606A

CHARACTERISTICS

DIMENSIONS	9.94 mm x 10.5 mm x 11.6 mm (H x D x W)
MATERIAL	Polycarbonate
COLOR AVAILABLE	Red / green / yellow / white

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
LOCKRJ45R	Red RJ45 port blocker	Unit
LOCKRJ45G	Green RJ45 port blocker	Unit
LOCKRJ45Y	Yellow RJ45 port blocker	Unit
LOCKRJ45W	White RJ45 port blocker	Unit
KEYLOCKRJ45	Key to unlock RJ45 port blockes	Unit

COPPER SYSTEMS

AXINDUS IP67

CAT6 IP67 MODULAR JACKS

IP67 modular jacks 84

CAT6 IP67 PATCH CORDS

IP67 / IP67 patch cords 85

IP67 / standard plug patch cords 86

WALL MOUNTED BOXES

IP66 stainless steel boxes 87

IP66 epoxy steel boxes 88

IP54 steel box 89

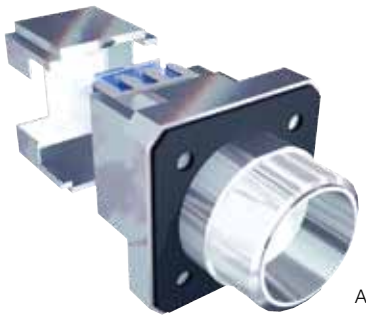
ACCESSORIES

Spanner 90

80x80 axindus plate 91

45x45 axindus face plate 92

IP67 MODULAR JACKS



AXA362110



BENEFITS

- High perfomance for harsh environment : CAT6 jack
- IP67 rated
- Tooless connection
- High EMC thanks to 360° shielding
- Available in stainless or ZAMAC version

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP TO 1GBPS
- REMOTE POWER : POEP

STANDARDS

- COMPONENT : IEC 60693-7-5
- SYSTEM : ISO 11801 ED2.2 Class E
  EIA/TIA 568-C.2 CAT6
  EN 50173-1 : 2011 Class E
  EN 50173-3
  ISO/IEC 24702

CHARACTERISTICS

DIMENSIONS	46.9 mm x 34 mm x 34 mm
CONTACT	Gold plating
COMPENSATION	Double layer PCB
IDC	V Shape
TERMINATION	Tooless solid and stranded wire from AWG24 to AWG22
SHIELD	360° with spring contact
HOUSING	Zamac 5 or stainless steel with screwed connection

PROPERTIES

MECHANICAL	Mating Cycles	750 cycles min / 1000 nom
	Mechanical index(IK)	IK08
ELECTRICAL	Operating voltage	≤ 72V DC
	Voltage test	≥ 1000V DC contact to contact ≥ 1500V DC contact to screen (IEC 60512-4-1)
	Contact resistance	≤ 20 mΩ IEC 60512-2-1
	Power capacity	≤ 30W
ENVIRONMENTAL	Operating temperature	-40°C to +70°C
	Protection Index(IP)	IP67

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
AXA332110	IP67 CAT6 RJ45 shielded connector stainless version	Unit
AXA362110	IP67 CAT6 RJ45 shielded connector ZAMAC version	Unit

IP67 / IP67 PATCH CORDS



ACXY12233E100



BENEFITS

- High perfomance for harsh environment : CAT5E patchcord
- IP67 rated patch cords
- Polyurethane cable
- Locking system on two ends
- Available in stainless or ZAMAC version
- Available in standard from 1 m up to 10 m

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 1G
- REMOTE POWER : POE

STANDARDS

- SYSTEM : ISO 11801 ED2.2 Class D
  EIA/TIA 568-C.2 CAT5E
  EN 50173-1 : 2011 Class D

CHARACTERISTICS

PLUG	IP67 RJ45 High performance CAT5E
BOOTS	Locking system in Zamac or stainless + polyurethane molded strain relief
CABLE	Shieldied : CAT5E S/FTP Polyurethane cable

PROPERTIES

MECHANICAL	Mating Cycles	750 cycles min / 1000 nom
	Bending radius	8 x outher diameter
ENVIRONMENTAL	Operating temperature	IP67
	Fire rating	UL 94V0 IEC 60332-1

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
AXCY12233Exxxx	IP67 CAT5E shielded type S/FTP patch cord Zamac version	Unit
AXCDY12233Exxxx	IP67 CAT5E shielded type S/FTP patch cord stainless version	Unit

For the lenght replace xxxx letter with : 100, 300 , 500, 600, 800, 900, 1000 mm

IP67 / STANDARD PLUG PATCH CORDS



AXCX12233E100



BENEFITS

- High perfomance for harsh environment : CAT5E patchcord IP67
- RJ45 plug on one end and standard RJ45 plug on other end
- ZAMAC or strainless steel locking system on one end
- Polyurethane cable type S/FTP
- Available in standard from 1 m up to 10 m

APPLICATIONS

- VOICE : ANALOG, ISDN, VOIP
- DATA : ETHERNET UP 1G
- REMOTE POWER : POE

STANDARDS

- SYSTEM : ISO 11801 ED2.2 Class D
  EIA/TIA 568-C.2 CAT5E
  EN50173-1: 2011 Class D

CHARACTERISTICS

PLUG	RJ45 High performance CAT5E on one end and IP67 RJ45 high performance CAT5E
BOOTS	Locking system in Zamac or stainless + polyurethane molded strain relief
CABLE	Shieldied : CAT5E S/FTP Polyurethane cable

PROPERTIES

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom
	Bending radius	8 x outer diameter
ELECTRICAL	Operating temperature	-20°C to + 70°C
	Fire rating	UL 94V0 IEC 60332-1

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
AXCX12233Exxxx	IP67 / RJ45 CAT5E shielded type S/FTP patch cord Zamac version	Unit
AXDX12233Exxxx	IP67 / RJ45 CAT5E shielded type S/FTP patch cord stainless version	Unit

For the lenght replace xxxx letter with : 100, 300 , 500, 600, 800, 900, 1000

IP66 STAINLESS STEEL BOXES



AXA032102



BENEFITS

- Waterproof surface mounted boxes to connect 1 or 2 jacks
- To be equipped with Axindus modular jacks (see p84)
- IP66 boxe
- Allows the thermination of 1 or 2 cables thanks to 1 or 2 different entry equipped with watertight glands

CHARACTERISTICS

DIMENSIONS	144 mm x 74 mm x 53 mm
CABLE ENTRY	One or two different entry Cable diameter accepted : 6 to 10 mm
FIXING	4 stainless screw
SHIELD	Full shielded
MATERIAL	Stainless steel

PROPERTIES

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom
	Mechanical indek (IK)	IK08
ELECTRICAL	Operating temperature	-20°C to + 70°C
	Fire rating	UL 94V0
ENVIRONMENTAL	Protection Index (IP)	IP66

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
AXA031102	Surface mounted box for 1 connector stainless steel sheet IP66	Unit
AXA032102	Surface mounted box for 2 connectors stainless steel sheet IP66	Unit
AXA332110	IP67 CAT6 RJ45 shielded connector stainless version	Unit
AXA362110	IP67 CAT6 RJ45 shielded connector ZAMAC version	Unit

IP66 EPOXY STEEL BOXES



AXA031212



BENEFITS

- Waterproof surface mounted boxes to connect 1 or 2 jacks
- To be equipped with Axindus modular jacks (see p84)
- IP66 box
- Allow the thermination of 1 or 2 cables thanks to 1 or 2 different entry equipped with watertight glands

CHARACTERISTICS

DIMENSIONS	144 mm x 74 mm x 53 mm
CABLE ENTRY	One or two different entries cable diameter accepted : 6 to 10 mm
FIXING	4 stainless screw
SHIELD	Full shielded
MATERIAL	Epoxy painted steel RAL 7035

PROPERTIES

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom
	Mechanical Index (IK)	IK08
ELECTRICAL	Operating temperature	-20°C to + 70°C
	Fire rating	UL 94V0
ENVIRONMENTAL	Protection Index(IP)	IP66

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
AXA031212	Surface mounted box for 1 connector epoxy painted steel IP66 RAL7035	Unit
AXA032212	Surface mounted box for 2 connectors epoxy painted steel IP66 RAL7035	Unit
AXA332110	IP67 CAT6 RJ45 shielded connector stainless version	Unit
AXA362110	IP67 CAT6 RJ45 shielded connector ZAMAC version	Unit

IP54 STEEL BOX



AXA031213



BENEFITS

- Waterproof surface mounted boxes to connect 1 or 2 jacks
- To be equipped with Axindus modular jacks (see p84)
- IP54 box
- Allows the thermination of 1 or 2 cables thanks to 1 or 2 different entry equipped with watertight glands

CHARACTERISTICS

DIMENSIONS	144 mm x 74 mm x 53 mm
CABLE ENTRY	One or two different entry Cable diameter accepted : 6 to 10 mm
FIXING	4 stainless screw
SHIELD	Full shielded
MATERIAL	Epoxy painted steel RAL 7037
MATERIAL	Stainless steel sheet

PROPERTIES

MECHANICAL	Mating Cycles	750 Cycles min / 1000 nom
	Mechanical Index (IK)	IK08
ELECTRICAL	Operating temperature	-20°C to + 70°C
	Fire rating	UL 94V0
ENVIRONMENTAL	Protection Index (IP)	IP54

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
AXA031213	Surface mounted box for 1 connector epoxy painted steel IP54	Unit
AXA032213	Surface mounted box for 1 connector epoxy painted steel IP54	Unit
AXA332110	IP67 CAT6 RJ45 shielded connector stainless version	Unit
AXA362110	IP67 CAT6 RJ45 shielded connector ZAMAC version	Unit

SPANNER



AXA030001

BENEFITS

- Spanner for the waterproof cap (AXA23000x)
- Allow a secure locking for an excellent tightness

CHARACTERISTICS

DIMENSIONS	80 x 302 mm
MATERIAL	Zinc coating steel
THICKNESS	2 mm
RAL	RAL7035

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
AXA030001	Spanner for a waterproof cap	Unit
AXA230001	Screw cap fully shielded ZAMAC version	Unit
AXA230002	Screw cap fully shielded stainless version	Unit

80X80 AXINDUS PLATE



AXA033100

HARSH

BENEFITS

- 80 x 80 plate for Axindus RJ45 modular jack
- Allow the fixing of Axindus RJ45 jack
- Equipped with 4 holes to fix the plate and 4 other holes to fix the jack

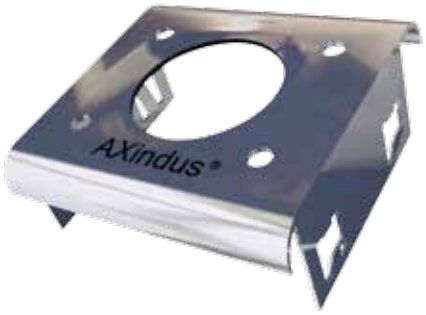
CHARACTERISTICS

DIMENSIONS	80 mm x 80 mm
MATERIAL	Stainless steel

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
AXA033100	80 x 80 stainless steel plate	Unit
AXA332110	IP67 CAT6 RJ45 shielded connector stainless version	Unit
AXA362110	IP67 CAT6 RJ45 shielded connector ZAMAC version	Unit

45X45 AXINDUS FACEPLATE



AXA033101

HARSH

BENEFITS

- 45 x 45 plate for Axindus RJ45 modular jack
- Allow the fixing of Axindus RJ45 jack (see p82)
- Equipped with 4 holes to fix the jack

CHARACTERISTICS

DIMENSIONS	45 mm x 45 mm
MATERIAL	Stainless steel

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
AXA033101	45 x 45 stainless steel plate	Unit
AXA332110	IP67 CAT6 RJ45 shielded connector stainless version	Unit
AXA362110	IP67 CAT6 RJ45 shielded connector ZAMAC version	Unit

FIBER SYSTEMS

FIBER OPTIC CABLES

INDOOR FIBER OPTIC CABLE

- Indoor fiber optic cable for patch cords 94
- Indoor fiber optic cable for subscriber 95

INDOOR / OUTDOOR FIBER OPTIC CABLE

- Indoor/outdoor tight buffered cable 96
- Indoor/outdoor loose tube cable 97

OUTDOOR FIBER OPTIC CABLE

- Outdoor central tube fiber optic cable 98
- Outdoor multi tubes fiber optic cable 99
- Outdoor armoured central tube fiber optic cable 100
- Outdoor armoured multi tubes fiber optic cable 101
- Fire resistant fiber optic cable 102

INDOOR FIBER OPTIC CABLE FOR PATCH CORDS



BIFIBRES

BENEFITS

- Good mechanical resistance
- Two cable structure availables :
  - General jacket (bifibres)
  - Twin or figure-8 (bifibre0hal)
- Flame retardant

APPLICATIONS

- DATA : ETHERNET UP TO 100G
- DIRECT TERMINATION, PIGTAILS AND PATCH CORDS

STANDARDS

- OPTICAL FIBER : MM IEC 60793-2-10 : A1b(OM1), A1a.1(OM2), A1a.2 (OM3), A1a.3 (OM4)
  SM IEC 60793-2-50 : B1.3 (OS2, G652 D), B6.a (G657A)
- OPTICAL CABLE : IEC 60794
- OPTICAL SYSTEM : ISO 11801
  EIA/TIA 568-C.3
  EN 50173

CHARACTERISTICS

CORE	OM1 : 62.5 µm / 125 µm glass fiber OM2/OM3/OM4 : 50 µm / 125 µm glass fiber OS2/G652D/G657A : 9 µm / 125 µm glass fiber
COATING	250 µm PMMA & 900 µm colored (Following IEC 304) thermoplastic
ASSEMBLY	BIFIBRES : Two reinforced simplex units are assembled into a LSZH sheath BIFIBRE0HAL : each of two buffered fibers is enclosed by LSZH sheath forming a zipcord
PROTECTION	Reinforced with aramid yarns
SHEATH	LSZH (additional HFFR inner sheath for the BIFIBRES)

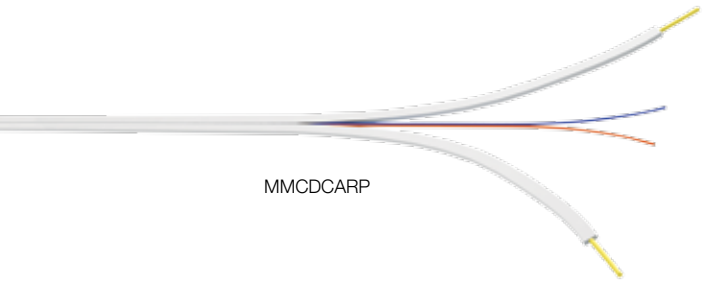
PROPERTIES

MECHANICAL	Bending Radius	20 x OD
	Tensile Load (Permanent)	BIFIBRES : 500N BIFIBRE0HAL : 400N
	Crush resistance	BIFIBRES : 1500N BIFIBRE0HAL : 1000N
	Rodent index	Light
ENVIRONMENTAL	Operating temperature	-10°C to +50° C
	Fire rating	IEC 60332-1
	Smoke emission	IEC 60754-1 F5

ORDERING INFORMATION

ITEMS	FIBERS	SHEATH	OUTER DIAMETER (MM)	PACKAGING (M)
BIFIBRES	2 x OM1	Orange LSZH RAL 2003	3.8 x 7.0	D1000
BIFIBRES50	2 x OM2	Violet LSZH RAL 4005	3.8 x 7.0	D1000
BIFIBRES50OM3	2 x OM3	Turquoise LSZH RAL 6027	3.8 x 7.0	D1000
BIFIBRES50OM4	2 x OM4	Erica violet LSZH RAL 4003	3.8 x 7.0	D1000
BIFIBRES9125	2 x OS2	Yellow LSZH RAL 1021	3.8 x 7.0	D1000
BIFIBRES9125G657	2 x G657	Yellow LSZH RAL 1021	3.8 x 7.0	D1000
BIFIBRE0HAL	2 x OM1	Orange LSZH RAL 2003	2.8 x 5.9	D1000
BIFIBRE0HAL50	2 x OM2	Purple LSZH RAL 4005	2.8 x 5.9	D1000
BIFIBRE0HAL50OM3	2 x OM3	Turquoise LSZH RAL 6027	2.8 x 5.9	D1000
BIFIBRE0HAL50OM4	2 x OM4	Erica violet LSZH RAL 4003	2.8 x 5.9	D1000
BIFIBRE0HAL9125	2 x OS2	Yellow LSZH RAL 1021	2.8 x 5.9	D1000
BIFIBRE0HAL9125G657	2 x G657	Yellow LSZH RAL 1021	2.8 x 5.9	D1000

INDOOR FIBER OPTIC CABLE FOR SUBSCRIBER



MMCDCARP



BENEFITS

- Low radius curvature and low friction
- Suitable for FTTx applications
- Flame retardant

APPLICATIONS

- DATA : ETHERNET UP TO 100G
- INDOOR APPLICATIONS IN THE FTTX NETWORK

STANDARDS

- OPTICAL FIBER : Singlemode : B6.a (G657A)
- OPTICAL CABLE : IEC 60794
- OPTICAL SYSTEM : ISO 11801
  EN 50173
  EIA/TIA 568-C.3

CHARACTERISTICS

CORE	G657 A : 9 µm / 125 µm glass fiber
COATING	250 µm PMMA colored (Following IEC 304) thermoplastic
ASSEMBLY	Central position
PROTECTION	2 aramid reinforced plastic strength members
SHEATH	LSZH White

PROPERTIES

MECHANICAL	Bending Radius (mm)	20
	Tensile Load (Installation/Permanent)	100N/50N
	Crush resistance	500N
	Rodent Index	none
ENVIRONMENTAL	Operating temperature	-30°C to +60° C
	Fire Rating	IEC 60332-1
	Smoke emission	IEC 60754-1 F5

ORDERING INFORMATION

ITEM	FIBERS	SHEATH	OUTER DIAMETER (MM)	PACKAGING (M)
MMCDCARP	2 x G657	White LSZH	2.0 x 3.1	D1000

INDOOR/OUTDOOR TIGHT BUFFERED CABLE



MULTI12IE



BENEFITS

- Light rodent protection and water tightness for indoor/outdoor use
- Flame retardant
- Tight buffered fiber for direct termination

APPLICATIONS

- DATA : ETHERNET UP TO 100G
- INDOOR LINKS OR PROTECTED OUTDOOR LINKS
- FOR INTER-BUILDING LINKS, TO BE INSTALLED IN TRUNKINGS OR PROTECTED DUCTS

STANDARDS

- OPTICAL FIBER : MM IEC 60793-2-10 : A1b(OM1), A1a.1(OM2), A1a.2 (OM3), A1a.3(OM4)
  SM IEC 60793-2-50 : B1.3 (OS2, G652 D) , B6.a (G657A)
- OPTICAL CABLE : IEC 60794
- OPTICAL SYSTEM : ISO 11801
  EIA/TIA 568-C.3
  EN 50173

CHARACTERISTICS

CORE	OM1 : 62.5 µm / 125 µm glass fiber OM2/OM3/OM4 : 50 µm / 125 µm glass fiber OS2/G652D/G657 : 9 µm / 125 µm glass fiber
COATING	250 µm PMMA & 900 µm colored (Following IEC 304) thermoplastic
ASSEMBLY	Tight buffered fibers enclosed in a LSZH sheath
PROTECTION	Water resistant glass yarns
SHEATH	LSZH

PROPERTIES

MECHANICAL	Bending Radius	20 x OD
	Tensile Load (Permanent)	for 2 & 4 fibers : 800N for 6 & 8 fibers : 1000N for 12 fibers : 1200N for 24 fibers : 1400N
	Crush resistance	1000N
	Rodent Index	Light
ENVIRONMENTAL	Operating temperature	-20°C to +50° C
	Fire Rating	IEC 60332-1
	Smoke emission	IEC 60754-1

ORDERING INFORMATION

ITEMS	FIBERS	SHEATH	OUTER DIAMETER (MM)						PACKAGING (M)
			2 FO	4 FO	6 FO	8 FO	12 FO	24 FO	
MULTIxxIE	xx* x OM1	Blue LSZH RAL 5015	5.0	5.6	6.3	7.1	7.6	13.0	D1000
MULTIxxIE50	xx* x OM2	Violet LSZH RAL 4005	5.0	5.6	6.3	7.1	7.6	13.0	D1000
MULTIxxIE50OM3	xx* x OM3	Turquoise LSZH RAL 6027	5.0	5.6	6.3	7.1	7.6	13.0	D1000
MULTIxxIE50OM4	xx* x OM4	Turquoise LSZH RAL 6027	.5.0	5.6	6.3	7.1	7.6	13.0	D1000
MULTIxxIE9125	xx* x OS2	Yellow LSZH RAL 1021	5.0	5.6	6.3	7.1	7.6	13.0	D1000
MULTIxxIE9125G657	xx* x G657	Yellow LSZH RAL 1021	5.0	5.6	6.3	7.1	7.6	13.0	D1000

** Replace xx by the number of fiber (2, 4, 6, 8, 12 or 24)*

INDOOR/OUTDOOR LOOSE TUBE CABLE



INTEX



BENEFITS

- Medium rodent protection and good watertightness for universal use
- Black LSZH sheath for UV resistance
- Flame retardant

APPLICATIONS

- DATA : ETHERNET UP TO 100G
- INDOOR LINKS
- FOR INTER-BUILDING LINKS, TO BE INSTALLED IN TRUNKINGS
- TERMINATION REQUIRES FAN-OUT KIT

STANDARDS

- OPTICAL FIBER : M IEC 60793-2-10 : A1b(OM1), A1a.1(OM2), A1a.2 (OM3), A1a.3 (OM4)
  SM IEC 60793-2-50 : B1.3 (OS2, G652 D), B6.a (G657A)
- OPTICAL CABLE : IEC 60794
- OPTICAL SYSTEM : ISO 11801
  EIA/TIA 568-C.3
  EN 50173

CHARACTERISTICS

CORE	OM1 : 62.5 µm / 125 µm glass fiber OM2/OM3/OM4 : 50 µm / 125 µm glass fiber OS2/G652D/G657 : 9 µm / 125 µm glass fiber
COATING	250 µm PMMA colored (Following IEC 304) thermoplastic
ASSEMBLY	Central tube PBT filled with Gel
PROTECTION	Water resistant glass yarns
SHEATH	LSZH Black RAL 9005

PROPERTIES

MECHANICAL	Bending Radius	20 x OD
	Tensile Load (Installation/Permanent)	1200N
	Crush resistance	3000N
	Rodent Index	Medium
ENVIRONMENTAL	Operating temperature	-20°C to +70° C
	Fire Rating	IEC 60332-1
	Smoke emission	IEC 60754-1
	Fluid penetration	IEC 60794-1-2 F5

ORDERING INFORMATION

ITEMS	FIBERS	SHEATH	OUTER DIAMETER (MM)		PACKAGING (M)
			2-12 FO	24 FO	
INTEXxx	xx* x OM1	Black LSZH RAL 9005	6.5	8.1	D1000
INTEXxx50	xx* x OM2	Black LSZH RAL 9005	6.5	8.1	D1000
INTEXxx50OM3	xx* x OM3	Black LSZH RAL 9005	6.5	8.1	D1000
INTEXxx50OM4	xx* x OM4	Black LSZH RAL 9005	6.5	8.1	D1000
INTEXxx9125	xx* x OS2	Black LSZH RAL 9005	6.5	8.1	D1000
INTEXxx9125G657	xx* x G657	Black LSZH RAL 9005	6.5	8.1	D1000

** Replace xx by the number of fiber (2, 4, 6, 8, 12 or 24)*

OUTDOOR CENTRAL TUBE FIBER OPTIC CABLE



EXTCT



BENEFITS

- Good rodent protection and excellent watertightness
- Totally dielectric armoured
- Black PE sheath for UV resistance

APPLICATIONS

- DATA : ETHERNET UP TO 100G
- OUTDOOR LINKS ONLY
- TERMINATION REQUIRES FAN-OUT KIT

STANDARDS

- OPTICAL FIBER : MM IEC 60793-2-10 : A1b(OM1), A1a.1(OM2), A1a.2 (OM3), A1a.3 (OM4)
  SM IEC 60793-2-50 : B1.3 (OS2, G652 D) , B6.a (G657A)
- OPTICAL CABLE : IEC 60794
- OPTICAL SYSTEM : ISO 11801
  EIA/TIA 568-C.3
  EN 50173

CHARACTERISTICS

CORE	OM1 : 62.5 µm / 125 µm glass fiber OM2/OM3/OM4 : 50 µm / 125 µm glass fiber OS2/G652D/G657 : 9 µm / 125 µm glass fiber
COATING	250 µm PMMA colored (Following IEC 304) thermoplastic
ASSEMBLY	Central tube PBT filled with Gel
PROTECTION	Water resistant glass yarns
SHEATH	UV Resistant PEHD Black RAL 9005

PROPERTIES

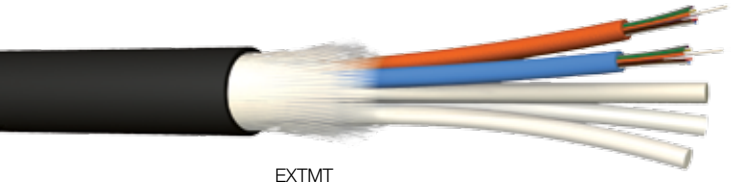
MECHANICAL	Bending Radius	20 x OD
	Tensile Load (Installation/Permanent)	2500N / 1500N
	Crush resistance	4000N
	Rodent Index	Strong
ENVIRONMENTAL	Operating temperature	-40°C to +70° C
	Fire Rating	-
	Fluid penetration	IEC 60794-1-2 F5

ORDERING INFORMATION

ITEMS	FIBERS	SHEATH	OUTER DIAMETER (MM)		PACKAGING(M)
			2-12 FO	24 FO	
EXTCTxx	xx* x OM1	Black PEHD RAL 9005	7.6	8.8	D1000
EXTCTxx50	xx* x OM2	Black PEHD RAL 9005	7.6	8.8	D1000
EXTCTxx50OM3	xx* x OM3	Black PEHD RAL 9005	7.6	8.8	D1000
EXTCTxx50OM4	xx* x OM4	Black PEHD RAL 9005	7.6	8.8	D1000
EXTCTxx9125	xx* x OS2	Black PEHD RAL 9005	7.6	8.8	D1000
EXTCTxx9125G657	xx* x G657	Black PEHD RAL 9005	7.6	8.8	D1000

** Replace xx by the number of fiber (2, 4, 6, 8, 12 or 24)*

OUTDOOR MULTI TUBES FIBER OPTIC CABLE



EXTMT



BENEFITS

- Good rodent protection and excellent watertightness
- Totally dielectric armoured
- Multi-tube cable can hold up to 144 cores (on request)
- Black PE sheath for UV reisitance

APPLICATIONS

- DATA : ETHERNET UP TO 100G
- OUTDOOR LINKS ONLY
- TERMINATION REQUIRES FAN-OUT KIT

STANDARDS

- OPTICAL FIBER : MM IEC 60793-2-10 : A1b (OM1), A1a.1(OM2), A1a.2 (OM3), A1a.3(OM4)
  SM IEC 60793-2-50 : B1.3 (OS2, G652 D), B6.a (G657A)
- OPTICAL CABLE : IEC 60794
- OPTICAL SYSTEM : ISO 11801
  EIA/TIA 568-C.3
  EN 50173

CHARACTERISTICS

CORE	OM1 : 62.5 µm / 125 µm glass fiber OM2/OM3/OM4 : 50 µm / 125 µm glass fiber OS2/G652D/G657 : 9 µm / 125 µm glass fiber
COATING	250 µm PMMA colored (Following IEC 304) thermoplastic
ASSEMBLY	Multi tube PBT filled with Gel around a central strength member (CSM)
PROTECTION	Water resistant glass yarns
SHEATH	UV Resistant PEHD Black RAL 9005

PROPERTIES

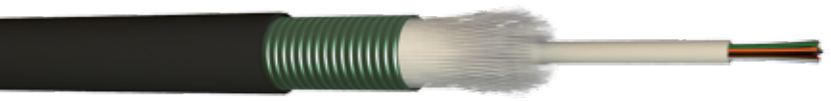
MECHANICAL	Bending radius	20 x OD
	Tensile load (Installation/Permanent)	2700N / 1600N
	Crush resistance	4000N
	Rodent index	Strong
ENVIRONMENTAL	Operating temperature	-40°C to +70° C
	Fire rating	-
	Fluid penetration	IEC 60794-1-2 F5

ORDERING INFORMATION

ITEMS	FIBERS	SHEATH	OUTER DIAMETER (MM)				PACKAGING (M)
			24-48 FO	60-72 FO	96 FO	144 FO	
EXTMTxx	xx* x OM1	Black PEHD RAL 9005	10.6	11.9	13.8	17.3	D1000
EXTMTxx50	xx* x OM2	Black PEHD RAL 9005	10.6	11.9	13.8	17.3	D1000
EXTMTxx50OM3	xx* x OM3	Black PEHD RAL 9005	10.6	11.9	13.8	17.3	D1000
EXTMTxx50OM4	xx* x OM4	Black PEHD RAL 9005	10.6	11.9	13.8	17.3	D1000
EXTMTxx9125	xx* x OS2	Black PEHD RAL 9005	10.6	11.9	13.8	17.3	D1000
EXTMTxx9125G657	xx* x G657	Black PEHD RAL 9005	10.6	11.9	13.8	17.3	D1000

** Replace xx by the number of fiber (24, 36, 48, 60, 72, 96 or 144)*

OUTDOOR ARMOURED CENTRAL TUBE FIBER OPTIC CABLE



EXTALCT



BENEFITS

- Excellent rodent protection and excellent water tightness
- High crush resistance
- Can be buried without protection
- Black PE sheath for UV resistance

APPLICATIONS

- DATA : ETHERNET UP TO 100G
- OUTDOOR LINKS ONLY, DIRECT BURIED
- TERMINATION REQUIRES FAN-OUT KIT

STANDARDS

- OPTICAL FIBER : MM IEC 60793-2-10 : A1b(OM1), A1a.1(OM2), A1a.2 (OM3), A1a.3 (OM4)
  SM IEC 60793-2-50 : B1.3 (OS2, G652 D) , B6.a (G657A)
- OPTICAL CABLE : IEC 60794
- OPTICAL SYSTEM : ISO 11801
  EIA/TIA 568-C.3
  EN 50173

CHARACTERISTICS

CORE	OM1 : 62.5 µm / 125 µm glass fiber OM2/OM3/OM4 : 50 µm / 125 µm glass fiber OS2/G652D/G657 : 9 µm / 125 µm glass fiber
COATING	250 µm PMMA colored (Following IEC 304) thermoplastic
ASSEMBLY	Central tube PBT filled with Gel
PROTECTION	Water resistant glass yarns and corrugated steel tape
SHEATH	UV Resistant PEHD Black RAL 9005, (EXTALCT1250SHC1, LSZH Black RAL9005)

PROPERTIES

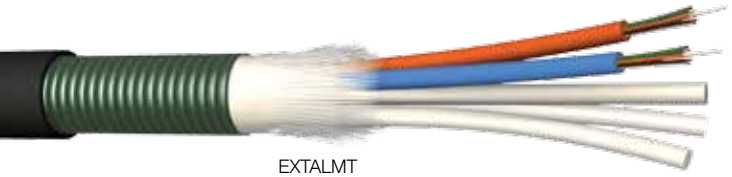
MECHANICAL	Bending radius	20 x OD
	Tensile load (Installation/Permanent)	2500N / 1500N
	Crush resistance	5000N
	Rodent index	Very strong
ENVIRONMENTAL	Operating temperature	-40°C to +70° C
	EXTALCT1250SHC1 Fire rating	NFC 32070 C1
	Fluid penetration	IEC 60794-1-2 F5

ORDERING INFORMATION

ITEMS	FIBERS	SHEATH	OUTER DIAMETER (MM)		PACKAGING (M)
			2-12 FO	2-24 FO	
EXTALCTxx	xx* x OM1	Black PEHD RAL 9005	7.4	9.0	D1000
EXTALCTxx50OM2	xx* x OM2	Black PEHD RAL 9005	7.4	9.0	D1000
EXTALCTxx50OM3	xx* x OM3	Black PEHD RAL 9005	7.4	9.0	D1000
EXTALCTxx50OM4	xx* x OM4	Black PEHD RAL 9005	7.4	9.0	D1000
EXTALCTxx9125	xx* x OS2	Black PEHD RAL 9005	7.4	9.0	D1000
EXTALCTxx9125G657	xx* x G657	Black PEHD RAL 9005	7.4	9.0	D1000
EXTALCT1250SHC1	12 x OM2	Black LSZH RAL9005	7.4	9.0	D1000

** Replace xx by the number of fiber (2, 4, 6, 8, 12 or 24)*

OUTDOOR ARMOURED MULTI TUBES FIBER OPTIC CABLE



EXTALMT



BENEFITS

- Excellent rodent protection and excellent watertightness
- High crush resistance
- Can be buried without protection
- Black PE sheath for UV resistance
- Multi-tube cable can hold up to144 cores (on request)

APPLICATIONS

- DATA : ETHERNET UP TO 100G
- OUTDOOR LINKS ONLY, DIRECT BURIED
- TERMINATION REQUIRES FAN-OUT KIT

STANDARDS

- OPTICAL FIBER : MM IEC 60793-2-10 : A1b(OM1), A1a.1(OM2), A1a.2 (OM3), A1a.3(OM4)
  SM IEC 60793-2-50 : B1.3 (OS2, G652 D) , B6.a (G657A)
- OPTICAL CABLE : IEC 60794
- OPTICAL SYSTEM : ISO 11801
  EIA/TIA 568-C.3
  EN 50173

CHARACTERISTICS

CORE	OM1 : 62.5 µm / 125 µm glass fiber OM2/OM3/OM4 : 50 µm / 125 µm glass fiber OS2/G652D/G657 : 9 µm / 125 µm glass fiber
COATING	250 µm PMMA colored (Following IEC 304) thermoplastic
ASSEMBLY	Multi tube PBT filled with Gel around a central strength member
PROTECTION	Water resistant glass yarns and corrugated steel tape
SHEATH	UV Resistant PEHD Black RAL 9005

PROPERTIES

MECHANICAL	Bending radius	20 x OD
	Tensile Load (Installation/Permanent)	2700N / 1600N
	Crush resistance	4000N
	Rodent index	Very strong
ENVIRONMENTAL	Operating temperature	-40°C to +70°C
	Fire rating	-
	Fluid penetration	IEC 60794-1-2 F5

ORDERING INFORMATION

ITEMS	FIBERS	SHEATH	OUTER DIAMETER (MM)				PACKAGING (M)
			24 FO	36-48 FO	60-96 FO	144 FO	
EXTALMTxx	xx* x OM1	Black PEHD RAL 9005	10.0	13.0	15.6	18.0	D1000
EXTALMTxx50OM2	xx* x OM2	Black PEHD RAL 9005	10.0	13.0	15.6	18.0	D1000
EXTALMTxx50OM3	xx* x OM3	Black PEHD RAL 9005	10.0	13.0	15.6	18.0	D1000
EXTALMTxx50OM4	xx* x OM4	Black PEHD RAL 9005	10.0	13.0	15.6	18.0	D1000
EXTALMTxx9125	xx* x OS2	Black PEHD RAL 9005	10.0	13.0	15.6	18.0	D1000
EXTALMTxx9125G657	xx* x G657	Black PEHD RAL 9005	10.0	13.0	15.6	18.0	D1000

** Replace xx by the number of fiber (24, 36, 48, 60, 72, 96 or 144)*

FIRE RESISTANT FIBER OPTIC CABLE



SWAFR6T50



BENEFITS

- Fire resistant according to IEC 60331-25 (90min)
- Excellent rodent protection and excellent watertightness
- High crush resistance
- Can be buried without protection

APPLICATIONS

- DATA : ETHERNET UP TO 100G
- OUTDOOR OR INDOOR LINKS
- FOR INTER-BUILDING LINKS, TO BE INSTALLED IN CABLE TRAYS
- PROTECTED PUBLIC AREAS : TUNNEL, STADIUM, UNDERGROUND ...

STANDARDS

- OPTICAL FIBER : MM IEC 60793-2-10 : A1b(OM1), A1a.1(OM2), A1a.2 (OM3), A1a.3(OM4)
  SM IEC 60793-2-50 : B1.3 (OS2, G652 D) , B6.a (G657A)
- OPTICAL CABLE : IEC 60794
- OPTICAL SYSTEM : ISO 11801
  EIA/TIA 568-C.3
  EN 50173

CHARACTERISTICS

CORE	OM1 : 62.5 µm / 125 µm glass fiber OM2/OM3/OM4 : 50 µm / 125 µm glass fiber OS2/G652D/G657 : 9 µm / 125 µm glass fiber
COATING	250 µm PMMA colored (Following IEC 304) thermoplastic
ASSEMBLY	Central tube PBT filled with Gel
PROTECTION	Water resistant glass yarns , steel wires armour and LSZH double sheath
SHEATH	LSZH Orange

PROPERTIES

MECHANICAL	Bending Radius	20 x OD
	Tensile Load (Installation/Permanent)	6000N / 4500N
	Crush resistance	5000N
	Rodent Index	Very strong
ENVIRONMENTAL	Operating temperature	-40°C to +70° C
	Fire Rating	IEC 60332-3 IEC 60331-25 (90min)
	Smoke emission	IEC 60754-1
	Fluid penetration	IEC 60794-1-2 F5

ORDERING INFORMATION

ITEMS	FIBERS	SHEATH	OUTER DIAMETER (MM)		PACKAGING (M)
			2-12 FO	12-24 FO	
SWAFRxT50	xx*x OM1	Orange LSZH	10.5	12.0	D1000
SWAFRxT50OM2	xx*x OM2	Orange LSZH	10.5	12.0	D1000
SWAFRxT50OM3	xx*x OM3	Orange LSZH	10.5	12.0	D1000
SWAFRxT50OM4	xx*x OM4	Orange LSZH	10.5	12.0	D1000
SWAFRx9125	xx*x OS2	Orange LSZH	10.5	12.0	D1000
SWAFRx9125G657	xx*x G657	Orange LSZH	10.5	12.0	D1000

** Replace xx by the number of fiber (2, 4, 6, 8, 12 or 24)*

FIBER SYSTEMS

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UNLOADED TRANSFORMER FIBER PANEL



CH1U

FU1U24SCSLCD

BENEFITS

- Maximum modularity with removable front plates
- Easy ID with label holders on coverring ports
- Ultra High Density with MTP adapters or cassettes front/back
- Plug & Play solution with ready to splice customized service
- 25 years' warranty on MTP cassettes and preterms

APPLICATIONS

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitain Area Network)
- WAN (Wide Area Network)

STANDARDS

- OPTICAL PERFORMANCES : IEC 61754-20, IEC 61754-14, IEC 61754-7
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA 568-C.3

CHARACTERISTICS

DIMENSIONS	Width 482.6 mm (19") x depth 250 mm x height 44.45 mm (1U)
MATERIAL	Steel sheet 1.5 mm (chassis) 1.2 mm (front plates) With powder coating RAL 7016
FEATURES	19" sliding panel with removable front plates
INPUT / OUPUT	2 x PG13.5 & 2 x PG16 inputs both sides 1 additional LGX possible input at central backside

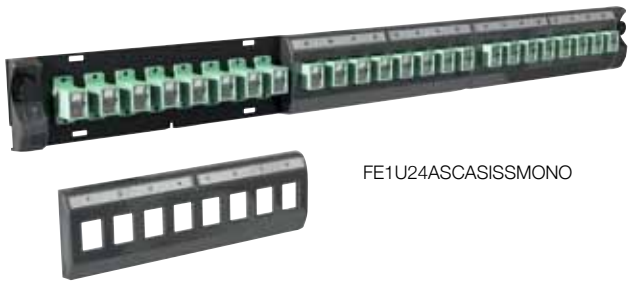
PROPERTIES

MECHANICAL	Net weight (unloaded)	2.40 Kg
OPTICAL	Compatible adapters :	ST, SC, LC, FC, MU, MT-RJ, E2000, MTP
	Maximum density (Based on 12 FO MTP)	96 FO with 48 LCD 120 FO with cassettes 720 FO with 48 MTP simplex
ENVIRONMENTAL	Temperature range	-10°C to +60°C

ORDERING INFORMATION

ITEM	DESCRIPTION	PACKAGING
CH1U	Empty chassis including cable routing management kit (6 x Bunny clips, 6 x cable ties & 1 x PG13.5 cable gland)	Unit
FU1U24SCSLCD	Unloaded front plate for 24 adapters STS, SCS, LCD or MTPS	Unit
FU1U24SCDLCQ	Unloaded front plate for 24 adapters STD, SCD, LCQ or MTPD	Unit
FU1U48SCSLCD	Unloaded front plate for 48 adapters SCS, LCD or MTPS flangeless only	Unit
FU1U3MOD	Unloaded front plate for 3 LGX modules and/or MTP cassettes	Unit
ECA451U	Rear cable entry 45° for 1 x PG13.5 or 1 x PG16	Unit
ECAMP1U	Rear cable entry for Micro and Premium preterms	Unit
EQCH1U19	19" rear additional bracket	Pack of 2
EQCH1U23	ETSI 23" front or rear alternative bracket	Pack of 2

LOADED FRONT PLATES FOR TRANSFORMER FIBER PANEL



FE1U24ASCASISSMONO

BENEFITS

- Saving time with adapters loaded front plates
- Delivered separately or already assembled on the fiber panel
- Easy ID with labeling screwless option with covering ports
- High Density with a number of 48 LCD or 24 LCQ adapters
- Ultra High Density with a number of 48 MTPS or 24 MTPD adapters

APPLICATIONS

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitain Area Network)
- WAN (Wide Area Network)

STANDARDS

- OPTICAL PERFORMANCES : IEC 61754-20, IEC 61754-14, IEC 61754-7
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA 568-C.3

CHARACTERISTICS

DIMENSIONS	Width 422.4 mm x height 44 mm
MATERIAL	Steel sheet 1.2 mm with powder coating RAL 7016
FEATURES	19" removable front plates loaded with adapters
LOCKING SYSTEM	2 x push-pull buttons (snap latches)

PROPERTIES

MECHANICAL	Net weight (unloaded)	0.10 Kg
OPTICAL	Compatible adapters	ST, SC, LC, FC, MU, MT-RJ, E2000, MTP
	Compatible fibers	All types of MM & SM
ENVIRONMENTAL	Temperature range	-10°C to +60°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
FE 1U xx A yyyy wwww	Loaded front plate delivered unassembled on the fiber panel : FE 1U xx A yyyy wwww	Unit
TO 1U xx A yyyy wwww	Loaded front plate delivered assembled on the fiber panel : TO 1U xx A yyyy wwww	Unit

Replace xx letter by number of adapters : from 1 to 24 or 48 (only SCS, SCAS, LCD, LCAD & MTPS)
Replace yyyy letter by type of adapters : STS, STD, SCS, SCAS, SCD, LCD, LCAD, LCQ, LCAQ, FCS, FCD, E2, E2A, MTPS, MTPD
Replace www by type of adapters : MUL (beige for multimode) or MONO (blue for UPC and green for APC, singlemode)

READY TO SPLICE TRANSFORMER FIBER PANEL



TO1U12PLCDOS2

BENEFITS

- Up to 2 hours can be saved for a qualified technician
- Front plates, adapters, pigtails and splice trays delivered assembled
- Pigtails correctly routed and protected inside the splice trays
- Pigtails connected to the loaded adapters with color coding

APPLICATIONS

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitain Area Network)
- WAN (Wide Area Network)

STANDARDS

- OPTICAL PERFORMANCES : IEC 61754-20, IEC 61754-14, IEC 61754-7
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA 568-C.3

CHARACTERISTICS

DIMENSIONS	Width 482.6 mm (19") x depth 250 mm x height 44.45 mm (1U)
MATERIAL	Steel sheet 1.5 mm (chassis) 1.2 mm (front plates) with powder coating RAL 7016
FEATURES	Factory assembled & fully loaded fiber panel
SPLICING	Fusion, with heathshrinks

PROPERTIES

MECHANICAL	Net weight (loaded)	depends on configuration
OPTICAL	Compatible adapters	ST, SC, LC, FC, MU, MT-RJ, E2000, MTP
	Compatible fibers Maximum pigtails	All types of MM & SM 48 ST,SC,FC, MU - 96 LC
ENVIRONMENTAL	Temperature range	-10°C to +60°C

ORDERING INFORMATION

ITEM	DESCRIPTION	PACKAGING
TO 1U xx P yyyy www	Ready to splice transformer fiber panel	Unit

Replace xx letter by number of pigtails : 6, 12, 24, 36, 48, 72, 96
Replace yyyy letter type of adapters : STS, STD, SCS, SCAS, SCD, LCD, LCAD, LCQ, LCAQ, FCS, FCD, E2, E2A
Replace www by type of pigtails : OM1, OM2, OM3, OM4, OS2, 7A1 (G657A1), 7A2 (G657A2), 7B3 (G657B3)

SPLICE TRAY



48K724FO2298

BENEFITS

- Up to 24 cores per splice tray
- Up to 4 splice trays stacked on 1U height
- Rear pivot axis to allow easier access to bottom splice trays
- Kit of accessories (cable ties, snake tube, color coded labels)
- 2 Screws & 2 reusable self adhesive tape to allows 2 way to assemble

APPLICATIONS

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitain Area Network)
- WAN (Wide Area Network)

STANDARDS

- COMPONENT : IEC 60874-14
  EIA/TIA 604-3
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA 568-C.3
- CECC, Telcordia (Bellcore)

CHARACTERISTICS

DIMENSIONS	Width 220 mm x depth 97 mm x height 80 mm
FEATURES	Stackable splice tray 24 cores For 40/45/60mm heatshrinks With transparent lid cover & color coded ID label
MATERIAL	Green ABS Pantone 368C

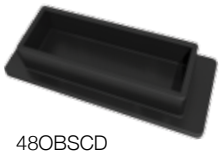
PROPERTIES

MECHANICAL	Net weigth	0.09Kg
	Compatible heatshrinks	40, 45 or 60 mm
	Cable entry for cable ties	4 (2 each side)
ENVIRONMENTAL	Temperature range	-5°C to +60°C

ORDERING INFORMATION

ITEM	DESCRIPTION	PACKAGING
48K724FO2298	Splice tray for 24 heat shrinks dimension 22 x 9.7 x 8 cm	Unit

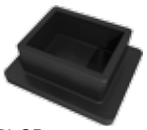
ACCESSORIES FOR PATCH PANELS : SCREWS, CABLE GLANDS AND DUST CAPS



48OBSCD



48MMTVIS



48OBLCD



48PEPG135N

BENEFITS

- M6 screws to install the panels inside the cabinets
- 2.2mm screws for ST & FC adapters & others when screw prefered
- Additional management kit with routing self adhesive bunny clips
- PG13.5 & PG16 cable gland for additional incoming fiber cables
- 2 types of dust caps to fill the unused holes of covering plates

APPLICATIONS

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitain Area Network)
- WAN (Wide Area Network)

STANDARDS

- COMPONENT : IEC 60874-14
  EIA/TIA 604-3
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA568-C.3
- CECC, Telcordia (Bellcore)

CHARACTERISTICS

SCREWS	M6 x 12 screws & nuts for panel into rack 2.2 x 6.5 mm screws to mount ST or FC adapters Material of screws is zinc plated steel
MANAGEMENT KIT & CABLE GLANDS	All accessories to organize the cable management PA 6 cable glands to maintain cable at rear of panel
DUST CAPS	Rubber dust caps to fill the empty ports on panel

PROPERTIES

MECHANICAL	Weight for M6 x 12 mm screws Weight for 2.2 x 6.5 mm screws	230g / 50 pcs 12g / 48 pcs
	Waterproofness of cable gland	IP68
	Tensile load for cable ties	8.16Kg
ENVIRONMENTAL	Temperature range	-40°C to +100°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
49BV50T	M6 Screw with cage nut and rubber bolt	Pack of 50
48MKB	Management Kit for panels with 1 x PG13.5 cable gland + 6 x 100 x 26 mm nylon cable ties & 8 x bunny clips	Unit
48PEPG135N	PG 13.5 black cable gland	Unit
48PEPG16N	PG 16 black cable gland	Unit
48MMTVIS	Screws ø 2.2 mm x 6.8 mm for adapters	Pack of 48
48OBSCD	Dust cap for STD / SCD / LCQ / FCD / MTPD unused ports of patch panels	Pack of 6
48OBLCD	Dust cap for STS / SCS / LCD / FCS / MTPS unused ports of patch panels	Pack of 6

HEATSHRINKS



MANCHONEPISSURE60



BENEFITS

- Shrinkable splice fusion protection tubes
- Steel pin strenght member to maintain the fusion very straight
- The inner EVA tube secures the fusion tight with the steel pin
- The outer polyolefin is shrinked around the fusion to maintain it
- 2 lenghts availables, 40 mm & 60 mm for all types of splicers

APPLICATIONS

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitain Area Network)
- WAN (Wide Area Network)

STANDARDS

- COMPONENT : IEC 60874-14
  EIA/TIA 604-3
- OPTICAL SYSTEM : ISO 11801 ED 2.2
  EIA/TIA 568-C.3
- Mil-I-23053/ 5 class 2
- BS 2056 Type 302 S 26), BT-RC-6959BR
- Bellcore GR 1380

CHARACTERISTICS

DIMENSIONS	Cross section 2.4 mm +/- 0.1 mm
FEATURES	40/60 mm heatshrink spliced fusion protection tubes With transparent color
MATERIALS	Heatshrinkable outer Polyolefin tube ID 2.4 mm Transparent EVA (Ethylene vinyl Acetate) ID 1.5 mm Stainless steel pin OD 1.10 mm

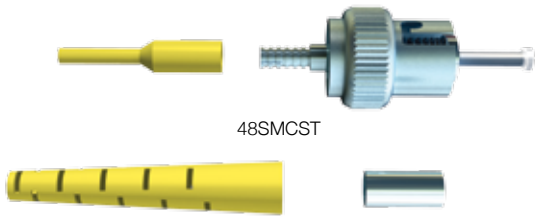
PROPERTIES

MECHANICAL	Shrink time Full recovery	60 to 80 second 120°C
	Tensile load	10.4mpa
	Melting point	67°C
ENVIRONMENTAL	Clear operation temperature	-50°C to +125°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
MANCHONEPISSURE	Heat shrink splice protection tube ID 1.5/2.4 mm x length 40 mm	Pack of 50
MANCHONEPISSUR60	Heat shrink splice protection tube ID 1.5/2.4 mm x length 60 mm	Pack of 50

ST CONNECTORS



48SMCST

BENEFITS

- ST connectors suitable for hot or cold epoxy curing
- Delivered with 900 µm and 2 mm boots
- Nickel Plated metal housing & zirconia ceramic ferule
- Avaible in multimode, singlemode UPC and APC versions

APPLICATIONS

- LAN (Local Area Network),
- LAN, Industry
- CAN (Campus Area Network),
- MAN (Metropolitain Area Network)
- WAN (Wide Area Network)

STANDARDS

- COMPONENT : IEC 60874-14
  EIA/TIA 604-3
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA 568-C.3
- COMPATIBILITY : IEC 60874-10-B, IEC 61754-20
- CECC BFOC/2.5, Bellcore/Telcordia

CHARACTERISTICS

HOLE SIZE	Singlemode : 126-127 µm Multimode : 127-128 µm
MATERIAL OF FERULE POLISHING	Zirconia ceramic 2.5 mm UPC (Ultra polished) & APC (Angle Polished)
HOUSING	Nickel Plated metal body
BOOTS COLORS	Singlemode UPC : yellow SInglemode APC : green Multimode : black
INSERTION CURING	Bayonet Epoxy

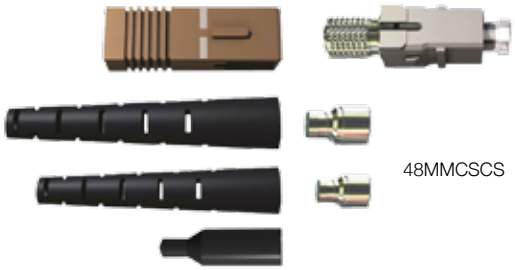
PROPERTIES

MECHANICAL	Mating Cycles	1000
	Vibration	(IEC 61300-2-2) 10-55 Hz, 0.7.5 mm P/P =0.2dB (IEC 61300-2-1)
	Tensile load	> 90 N (with 3 mm boot only)
OPTICAL	Return Loss	55dB / 40dB
	Insertion Loss	0.10dB to 0.3dB
ENVIRONMENTAL	Temperature range	-40°C to +80°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
48MMCST	ST UPC connector multimode 900 µm / 2 mm	Pack of 6
48SMCST	ST UPC connector singlemode 900 µm / 2 mm	Pack of 6
48SMCSTA	ST APC connector singlemode 900 µm / 2 mm	Pack of 6

SC CONNECTORS



48MMCSCS

BENEFITS

- SC connectors suitable for hot or cold epoxy curing
- Delivered with 900 µm, 2 mm and 3 mm boots
- Composite housing & zirconia ceramic ferule
- Available in multimode, singlemode UPC and APC versions
- Available in simplex and duplex versions

APPLICATIONS

- LAN (Local Area Network),
- CAN (Campus Area Network),
- SAN (Storage Area Network)
- MAN (Metropolitain Area Network)
- FTTH (Fibre-To-The-Home), FTTA (Fibre To The Antenna)
- WAN (Wide Area Network)

STANDARDS

- COMPONENT : IEC 60874-14
  TIA 604-3-B
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA 568-C.3
- COMPATIBILITY : IEC 60874-10-B, IEC 61754-4, FOCIS-3
- CECC BFOC 86260, Bellcore/Telcordia

CHARACTERISTICS

HOLE SIZE	Singlemode : 126-127 µm Multimode : 127-128 µm
MATERIAL OF FERULE POLISHING	Zirconia ceramic 2.5 mm UPC (Ultra polished) & APC (Angle Polished)
HOUSING	Singlemode UPC : blue SInglemode APC : green Multimode : beige
BOOTS	Singlemode UPC : blue & black SInglemode APC : green & black Multimode : red & black
INSERTION CURING	Push pull Epoxy

PROPERTIES

MECHANICAL	Mating Cycles	1000
	Vibration	(IEC 61300-2-2) 10-55 Hz, 1.5 mm P/P = 0.2 dB (IEC 61300-2-1)
	Tensile load	> 90 N (with 3 mm boot only)
OPTICAL	Return Loss	55 dB / 40 dB
	Insertion Loss	0.10 dB to 0.3 dB
ENVIRONMENTAL	Temperature range	-40°C to +80°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
48MMCSCS	SC simplex UPC beige connector multimode 900 µm / 2 mm / 3 mm	Pack of 6
48MMCSCD	SC duplex UPC beige connector multimode 900 µm / 2 mm / 3 mm	Pack of 6
48SMCSCS	SC simplex UPC blue connector singlemode 900 µm / 2 mm / 3 mm	Pack of 6
48SMCSCD	SC duplex UPC blue connector singlemode 900 µm / 2 mm / 3 mm	Pack of 6
48SMCSCAS	SC simplex APC green connector singlemode 900 µm / 2 mm / 3 mm	Pack of 6
48SMCSCAD	SC duplex APC green connector singlemode 900 µm / 2 mm / 3 mm	Pack of 6

LC CONNECTORS



48SMCLCS

BENEFITS

- LC compact SFF (Small Form Factor) designed connectors
- Suitable for hot or cold epoxy curing
- Simplex version delivered with 900 µm boots
- Duplex version delivered with 2 mm and 3 mm boots
- Composite housing & zirconia ceramic ferule
- Avaible in multimode, singlemode UPC and APC versions

APPLICATIONS

- LAN (Local Area Network),
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitain Area Network)
- FTTH (Fibre-To-The-Home), FTTA (Fibre To The Antenna)
- WAN (Wide Area Network)
- DPN (Data processing networks)

STANDARDS

- COMPONENT : IEC 61754-20
  EIA/TIA 604-10-B
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA 568-C.3
- COMPATIBILITY : IEC 60874-10-B, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia

CHARACTERISTICS

HOLE SIZE	Singlemode : 126-127 µm Multimode : 127-128 µm
MATERIAL OF FERULE POLISHING	Zirconia ceramic 1.25 mm UPC (Ultra polished) & APC (Angle Polished)
HOUSING	Singlemode UPC : blue SInglemode APC : green Multimode : beige
BOOTS	Singlemode UPC : blue & black SInglemode APC : green & black Multimode : red & black
INSERTION CURING	Snag free latch Epoxy

PROPERTIES

MECHANICAL	Mating Cycles	1000
	Vibration	(IEC 61300-2-2) 10-55 Hz, 0.75 mm P/P = 0.2 dB
	Tensile load	(IEC 61300-2-1) > 70 N
OPTICAL	Return Loss	65 dB / 50 dB
	Insertion Loss	0.10 dB to 0.2 dB
ENVIRONMENTAL	Temperature range	-40°C to +80°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
48MMCLCS	LC simplex UPC beige connector multimode 900 µm	Pack of 6
48MMCLCD	LC duplex UPC beige connector multimode 2 mm / 3 mm	Pack of 6
48SMCLCS	LC simplex UPC blue connector singlemode 900 µm	Pack of 6
48SMCLCD	LC duplex UPC blue connector singlemode 2 mm / 3 mm	Pack of 6
48SMCLCAS	LC simplex APC green connector singlemode 900 µm	Pack of 6
48SMCLCAD	LC duplex APC green connector singlemode 2 mm / 3 mm	Pack of 6

ST ADAPTERS



48MMTSTDBE

BENEFITS

- ST adapters with SC footprint
- Composite housing & zirconia ceramic alignment sleeve
- Available in multimode, singlemode UPC and APC versions
- Simplex and Duplex versions available
- Duplex version allows 48 ST connections on 1U

APPLICATIONS

- LAN (Local Area Network)
- LAN (Industry)
- CAN (Campus Area Network)

STANDARDS

- COMPONENT : IEC 60874-14
  EIA/TIA 604-3,
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA 568-C.3
- COMPATIBILITY : IEC 60874-10-B, IEC 61754-2
- CECC BFOC/2.5, Bellcore/Telcordia

CHARACTERISTICS

DIMENSIONS	Splx : width 22 mm x depth 9.3 mm x height 3 mm Dplx : width 35 mm x depth 9.3 mm x height 3 mm
SLEEVE ALIGNMENT	Zirconia ceramic 2.5 mm UPC (Ultra polished) & APC (Angle Polished)
HOUSING	Composite body
HOUSING COLORS	Singlemode UPC : blue SInglemode APC : green Multimode : beige
INSERTION FIXATION	Bayonet 2 x M2 screws

PROPERTIES

MECHANICAL	Mating Cycles	1000
	Vibration	(IEC 61300-2-2) 10-55 Hz, 0.7.5 mm P/P = 0.2 dB (IEC 61300-2-1)
	Retention force	> 1N - 2.5N
OPTICAL	Insertion Loss MM	0.20 dB to 0.3 dB
	Insertion Loss SM	0.10 dB to 0.2 dB
ENVIRONMENTAL	Temperature range	-40°C to +80°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
48MMTSTSBE	ST simplex beige composite multimode adapter, SCS footprint	Pack of 6
48SMTSTSB	ST simplex blue composite singlemode adapter, SCS footprint	Pack of 6
48MMTSTDBE	ST duplex beige composite multimode adapter, SCD footprint	Pack of 6
48SMTSTSB	ST duplex blue composite singlemode adapter, SCD footprint	Pack of 6
48SMTSTASG	ST simplex APC green composite singlemode adapter, SCS footprint	Pack of 6
48SMTSTADG	ST duplex APC green composite singlemode adapter, SCD footprint	Pack of 6

SC ADAPTERS



48MMTSCSFL



48SMTSCASISS



48SMTSCD

BENEFITS

- SC simplex and duplex adapters
- Composite housing & zirconia ceramic ferule
- Available in multimode, singlemode UPC and APC versions
- Available in simplex and duplex versions
- Available with inner shutter for lazer eyes protection for users

APPLICATIONS

- LAN (Local Area Network),
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitain Area Network)
- FTTH (Fibre-To-The-Home), FTTA (Fibre To The Antenna)
- WAN (Wide Area Network)

STANDARDS

- COMPONENT : IEC 60874-14
  EIA/TIA 604-3-B
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA 568-C.3
- COMPATIBILITY : IEC 60874-10-B, IEC 61754-4, FOCIS-3
- CECC BFOC 86260, Bellcore/Telcordia

CHARACTERISTICS

DIMENSIONS	Splx : width 22 mm x depth 9.3 mm x height 3 mm Dplx : width 35 mm x depth 9.3 mm x height 3 mm Splx FL : width 16 mm x depth 9.3 mm x depth 3 mm Dplx FL : width 27.75 mm x depth 9.3 mm x height 3 mm
SLEEVE ALIGNMENT	Zirconia ceramic 2.5 mm UPC (Ultra polished) & APC (Angle Polished)
HOUSING	Composite body
HOUSING COLORS	Singlemode UPC : blue SInglemode APC : green Multimode : beige
INSERTION FIXATION	Push-pull 2 x M2 screws and/or snap on with metal clip

PROPERTIES

MECHANICAL	Mating Cycles	1000
	Vibration	(IEC 61300-2-2) 10-55 Hz, 0.7.5 mm P/P = 0.2 dB (IEC 61300-2-1)
	Retention force	> 2N - 5.9N
OPTICAL	Insertion Loss MM	0.20 dB to 0.30 dB
	Insertion Loss SM	0.10 dB to 0.20 dB
ENVIRONMENTAL	Temperature range	-40°C to +80°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
48MMTSCS	SC simplex beige composite multimode adapter	Pack of 6
48SMTSCS	SC simplex blue composite singlemode adapter	Pack of 6
48SMTSCAS	SC simplex APC green composite singlemode adapter	Pack of 6
48MMTSCD	SC duplex beige composite multimode adapter	Pack of 6
48SMTSCD	SC duplex blue composite singlemode adapter	Pack of 6
48SMTSCAD	SC duplex APC green composite singlemode adapter	Pack of 6
48MMTSCSISS	SC simplex beige composite multimode adapter with saloon inner shutter	Pack of 6
48SMTSCSISS	SC simplex blue composite singlemode adapter with saloon inner shutter	Pack of 6
48SMTSCASISS	SC simplex APC green composite singlemode adapter ith saloon inner shutter	Pack of 6

NOTE : for Flangeless versions of the above SC adapters please add FL after the part numbers.

LC ADAPTERS



48SMTLCQFL



48MMTLCD

BENEFITS

- LC compact SFF (Small Form Factor) designed adapters
- Duplex version
- Quad version
- Composite housing & zirconia ceramic ferule
- Available with flange or flangeless
- Delivered with flexible duplex dustcaps

APPLICATIONS

- LAN (Local Area Network),
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitain Area Network)
- FTTH (Fibre-To-The-Home), FTTA (Fibre To The Antenna)
- WAN (Wide Area Network)
- DPN (Data processing networks)

STANDARDS

- COMPONENT : IEC 61754-20
  EIA/TIA 604-10-B
  ISO/IEC 24764
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA568-C.3
- COMPATIBILITY : IEC 60874-10-B, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia

CHARACTERISTICS

DIMENSIONS	Dplx : width 22 mm x depth 9.3 mm x heght 3 mm Quad : width 35 mm x depth 9.3 mm x height 3 mm Dplx FL : width 16 mm x depth 9.3 mm x height 3 mm Quad FL : width 27.75 mm x depth 9.3 mm x height 3 mm
SLEEVE ALIGNEMENT	Zirconia ceramic 1.25 mm UPC (Ultra Polished) & APC (Angle Polished)
HOUSING	Singlemode UPC : blue SInglemode APC : green Multimode : bleige
INSERTION FIXATION	Snagfree latch 2 x M2 screws and/or snap on with metal clip

PROPERTIES

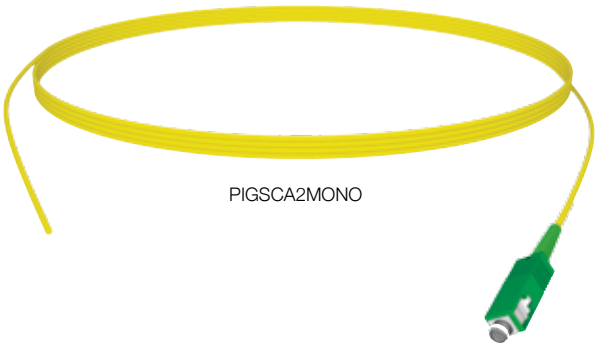
MECHANICAL	Mating Cycles	1000 (IEC 61300-2-2)
	Vibration	10-55 Hz, 0.7.5 mm P/P = 0.2 dB (IEC 61300-2-1)
	Retention force	> 1N - 2.5N
OPTICAL	Insertion Loss MM	0.20 dB to 0.30 dB
	Insertion Loss SM	0.10 dB to 0.20 dB
ENVIRONMENTAL	Temperature range	-40°C to +85°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
48MMTLCD	LC duplex beige composite multimode adapter	Pack of 6
48SMTLCD	LC duplex blue composite singlemode adapter	Pack of 6
48SMTLCAD	LC duplex APC green composite singlemode adapter	Pack of 6
48MMTLCQ	LC quad beige composite multimode adapter	Pack of 6
48SMTLCQ	LC quad blue composite singlemode adapter	Pack of 6
48SMTLCAQ	LC quad APC green composite singlemode adapter	Pack of 6

NOTE : for Flangeless versions of the above SC adapters please add FL after the part numbers.

PIGTAILS





BENEFITS

- Pigtails 900 µm to be & spliced and protected with heatshrinks
- LSZH coating
- Loose tube cable for Easy Stripping operation
- Standard lenght is 2 m
- Individual test report with IL & RL performances
- Each pigtail has a S/N and the S/N is also figuring on the test report

APPLICATIONS

- LAN (Local Area Network),
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitain Area Network)
- FTTH (Fibre-To-The-Home), FTTA (Fibre To The Antenna)
- WAN (Wide Area Network)
- DPN (Data processing networks)

STANDARDS

- IEC 60793-2-10 : A1b (OM1), A1a 1(OM2), A1a 2(OM3), A1a 3(OM4)
- IEC 60793-2-50 : B1.3 (OS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA 568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (Reduced)

CHARACTERISTICS

CONNECTOR TYPES POLISHING QUALITY	ST, SC, LC, FC, MU, UPC (other on request) Multimode : UPC Singlemode : UPC, APC 8°
MATERIAL OF CONNECTOR BOOTS	ST, FC : Nickel plated SC, LC, MU : Composite Multimode : beige Singlemode : blue, green
CABLE ID METHOD	900 µm semi loose tube LSZH Flag sticker with MMC P/N & S/N of cable

PROPERTIES

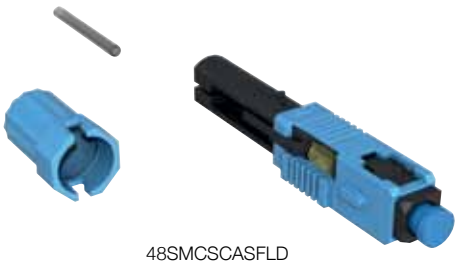
MECHANICAL	Mating cycles	> 1000 (IEC 61300-2-2)
	Ferule material	(IEC 61300-2-1) Ceramic zirconia (ZrO2)
	Size of ferule singlemode	SM 125/126 µm
	Size of ferule multimode	MM 127/128 µm
OPTICAL	Return Loss (typical)	MM 0.35 dB SM 0.65 dB
	Insertion Loss (typical)	0.25 dB
ENVIRONMENTAL	Temperature range	-10°C to +65°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
PIG xxx 2 MUL	Pigtail multimode OM1 2 m LSZH	Unit
PIG xxx 2 MUL50	Pigtail multimode OM2 2 m LSZH	Unit
PIG xxx 2 MUL50OM3	Pigtail multimode OM3 2 m LSZH	Unit
PIG xxx 2 OM4	Pigtail multimode OM4 2 m LSZH	Unit
PIG xxx 2 MONO	Pigtail singlemode OS2 (G652 D) 2 m LSZH	Unit
PIG xxx 2 7A2	Pigtail singlemode OS2 (G657 A2) 2 m LSZH	Unit
PIG xxx 2 yyy B12	Pigtail pack of 12 colors, multimode or singlemode, 2 m LSZH	Pack of 12

Replace xxx letter by the type of connector : ST, SC, LC, FC, MU, E2 (E2000), SCA (SC-APC), LCA (LC-APC), FCA (FC-APC), E2A (E2000)
Replace yyy letter by the type of fiber : OM1, OM2, OM3, OM4, OS2, 7A1 (G657 A1) 7A2 (G657 A2) 7B3 (G657 B3)

FAST FIELD CONNECTORS



48SMCSCASFLD

BENEFITS

- Fast field SC connectors taking 1-2 minutes per connector
- Fiber already inserted into the ferule & matching with index gel
- No curing, no polishing : the fiber is factory polished
- Reuse is possible 2-3 times
- Delivered with 900 µm, 2 mm & 3 mm boots-accepts flat cable 2 x 3 mm

APPLICATIONS

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitain Area Network)
- FTTH (Fibre-To-The-Home), FTTA (Fibre To The Antenna)
- WAN (Wide Area Network)

STANDARDS

- COMPONENT : IEC 60874-14
  EIA/TIA 604-3-B
- OPTICAL SYSTEM : ISO 118012 ED2.2
  EIA/TIA 568-C.3
- COMPATIBILITY : IEC 60874-10-B, IEC 61754-4, FOCIS-3
- CECC BFOC 86260, Bellcore/Telcordia

CHARACTERISTICS

HOLE SIZE	Singlemode : 126-127 µm Multimode : 127-128 µm
FERULE POLISHING	Zirconia ceramic 2.5 mm UPC (Ultra polished) & APC (Angle Polished)
HOUSING	Singlemode UPC : blue SInglemode APC : green Multimode : beige
BOOTS	Singlemode UPC : blue & black SInglemode APC : green & black Multimode : red & black
INSERTION CONNECTON	Push pull With a precision cleaver & a VFL pen for checking

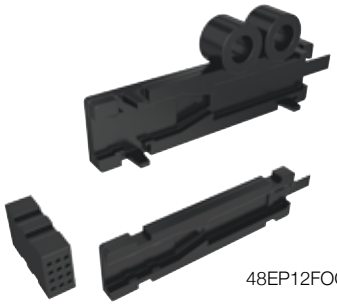
PROPERTIES

MECHANICAL	Mating cycles	100 (IEC 61300-2-1)
	Vibration	10-55 Hz, 1.5 mm P/P = 0.3 dB (IEC 61300-2-1)
	Tensile load	2.5Kg = 0.2 dB(900Mmboot)
OPTICAL	Return Loss	50 dB (APC) - 40 dB (UPC)
	Insertion Loss	0.30 dB to 0.5 dB
ENVIRONMENTAL	Temperature range	-40°C to +75°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
48MMCSCSFLD	SC simplex UPC beige fast field connector multimode 900 µm / 2 mm / 3 mm	Pack of 6
48SMCSCSFLD	SC simplex UPC blue fast field connector singlemode 900 µm / 2 mm / 3 mm	Pack of 6
48SMCSCASFLD	SC simplex APC green fast field connector singlemode 900 µm / 2 mm / 3 mm	Pack of 6

FAN OUT KITS



48EP12FOCS

BENEFITS

- Permits to direct connect 900 µm connectors to 250 µm fibers
- Compatible with central loose tube fibre cables
- Suitable for central tubes from Ø 2 mm to Ø 4 mm
- Simple curing operation replacing usual costly fusion melting splicer
- Standard version with 6, 12 or 24 cores
- Compact version for a maximum of 12 cores

APPLICATIONS

- LAN (Local Area Network)
- CAN (Campus Area Network)

STANDARDS

- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA568-C.3
- CECC BFOC 86260, Bellcore / Telcordia

CHARACTERISTICS

MATERIAL OF BODY	Composite
TUBING	Standard : transparent 900 µm Compact : 12 colors 900 µm
CRIMP RING	Metal, on standard versions only

PROPERTIES

MECHANICAL	DImensions standard 6/12 fo DImensions standard 24 fo Dimensions compact type	50 x Ø 12 mm 63.5 x Ø 12 mm 45 x 11.5 x 7 mm
	Tensile load Crush resistance	45N 52N
	Bending radius	13 mm
ENVIRONMENTAL	Temperature range	-10°C to +70°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
48EP06FO	Standard fan-out kit for 6 fibers	Unit
48EP12FO	Standard fan-out kit for 12 fiber	Unit
48EP24FO	Standard fan-out kit for 24 fibers	Unit
48EP12FOCS	Compact fan-out kit for 12 fibers	Unit

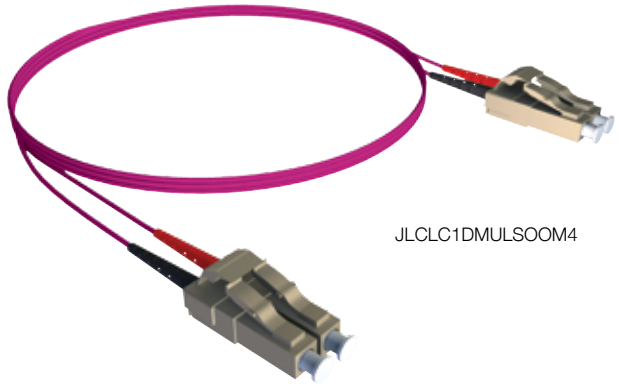
FIBER SYSTEMS

FIBER OPTIC PATCHCORDS

FIBER OPTIC PATCHCORDS

- Fiber optic simplex/duplex patchcords **120**
- Fiber optic reinforced flat duplex patchcords **121**
- Fiber optic steel armored round duplex patchcords **122**
- Fiber optic led flat duplex patchcords **123**
- Fiber optic low bending short boot duplex patchcords **124**
- Fiber optic low bending uniboot duplex patchcords **125**
- Fiber optic high grade patchcords **126**

FIBER OPTIC SIMPLEX / DUPLEX PATCHCORDS



JLCLC1DMULSOOM4

BENEFITS

- Simplex or zipccord duplex 3 mm patchcords for universal purpose
- Individual test report with RL & IL performance
- Standard length are 1 m, 2 m, 3 m, 5 m & 10 m
- Customised lenghts on request

APPLICATIONS

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitain Area Network)
- FTTH (Fibre-To-The-Home), FTTA (Fibre To The Antenna)
- WAN (Wide Area Network)

STANDARDS

- IEC 60793-2-10 : A1b (OM1), A1a 1(OM2), A1a 2(OM3), A1a 3(OM4)
- IEC 60793-2-50 : B1.3 (OS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA 568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (Reduced)

CHARACTERISTICS

CONNECTOR TYPES POLISHING QUALITY	ST, SC, LC, FC, MU, UPC (other on request) Multimode : UPC Singlemode : UPC or APC
MATERIAL OF CONNECTOR	ST, FC : Nickel plated SC, LC, MU : Composite
COLOR OF SC/LC HOUSING	Multimode : beige Singlemode : blue, green
FERULE MATERIAL SIZE OF FERULE SM SIZE OF FERULE MM	Ceramic zirconia (ZrO2) SM 125/126 µm MM 127/128 µm

PROPERTIES

MECHANICAL	Mating cycles Vibration Tensile load Crush resistance Bending radius	> 1000 (IEC 61300-2-2) (IEC 61300-2-1) 250N - 450N (short term) 1000N / dm 40 mm
OPTICAL	Return Loss (typical)	MM 35 dB SM 65 dB
	Insertion Loss (typical)	0.3 dB
ENVIRONMENTAL	Temperature range	-20°C to +60°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
J xxx xxx yyyD MUL	Zipcord duplex multimode OM1 yyym LSZH	Unit
J xxx xxx yyyD MUL50	Zipcord duplex multimode OM2 yyym LSZH	Unit
J xxx xxx yyyD MUL50OM3	Zipcord duplex multimode OM3 yyym LSZH	Unit
J xxx xxx yyyD MUL50OM4	Zipcord duplex multimode OM4 yyym LSZH	Unit
J xxx xxx yyyD MONO	Zipcord duplex singlemode OS2 (G652 D) yyym LSZH	Unit

Replace xxx letter by the type of connector : ST, SC, LC, FC, MU, E2 (E2000), SCA (SC-APC), LCA (LC-APC), FCA (FC-APC), E2A (E2000)
Replace yyy letter by the lengths : from 1 to 10 m (other on demand)
Replace D letter by S for simplex patchcords

FIBER OPTIC REINFORCED FLAT DUPLEX PATCHCORDS



BENEFITS

- Flat duplex 2.8 x 5.6 mm patchcords for inter cabinets or riser links
- Ideal for links beyond 10 m, up to 50 m
- Individual test report with RL & IL performance
- Customised lenghts on request

APPLICATIONS

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitain Area Network)
- FTTH (Fibre-To-The-Home), FTTA (Fibre To The Antenna)
- WAN (Wide Area Network)

STANDARDS

- IEC 60793-2-10 : A1b (OM1), A1a 1(OM2), A1a 2(OM3), A1a 3(OM4)
- IEC 60793-2-50 : B1.3 (OS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA 568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (Reduced)

CHARACTERISTICS

CONNECTOR TYPES **POLISHING QUALITY**	ST, SC, LC, FC, MU, UPC (other on request) Multimode : UPC Singlemode : UPC or APC
MATERIAL OF CONNECTOR	ST, FC : Nickel plated SC, LC, MU : Composite
COLOR OF SC/LC HOUSING	Multimode : beige Singlemode : blue, green
FERULE MATERIAL **SIZE OF FERULE SM** **SIZE OF FERULE MM**	Ceramic zirconia (ZrO2) SM 125/126 µm MM 127/128 µm

PROPERTIES

MECHANICAL	Mating cycles	> 1000
	Vibration	(IEC 61300-2-2)
	Tensile load	(IEC 61300-2-1)
	Crush resistance	250N - 450N (short term)
	Bending radius	2000N / dm 40 mm
OPTICAL	Return Loss (typical)	MM > 35 dB SM > 40 dB
	Insertion Loss (typical)	0.25 dB
ENVIRONMENTAL	Temperature range	-5°C to +60°C

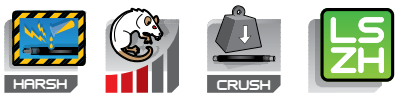
ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
J xxx xxx yyyFD OM1	Reinforced flat duplex multimode OM1 yyym LSZH	Unit
J xxx xxx yyyFD OM2	Reinforced flat duplex multimode OM2 yyym LSZH	Unit
J xxx xxx yyyFD OM3	Reinforced flat duplex multimode OM3 yyym LSZH	Unit
J xxx xxx yyyFD OM4	Reinforced flat duplex multimode OM4 yyym LSZH	Unit
J xxx xxx yyyFD OS2	Reinforced flat duplex singlemode OS2 (G652 D) yyym LSZH	Unit

Replace xxx letter by the type of connector : ST, SC, LC, FC, MU, E2 (E2000), SCA (SC-APC), LCA (LC-APC), FCA (FC-APC), E2A (E2000)
Replace yyy letter by the lengths : from 1 to 50 m (other on demand)

FIBER OPTIC STEEL ARMORED ROUND DUPLEX PATCHCORDS





BENEFITS

- Armored round duplex Ø 3.2 mm patchcords for inter cabinets or riser
- Ideal for links beyond 100 m
- Double stainless steel armor (braid over a light duty spiral tube)
- Customised lenghts on request

APPLICATIONS

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitain Area Network)
- FTTH (Fibre-To-The-Home), FTTA (Fibre To The Antenna)
- WAN (Wide Area Network)
- TACTICAL (Indoor military, security, severe & rodent environment)

STANDARDS

- IEC 60793-2-10 : A1b (OM1), A1a 1(OM2), A1a 2(OM3), A1a 3(OM4)
- IEC 60793-2-50 : B1.3 (OS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (Reduced)

CHARACTERISTICS

CONNECTOR TYPES POLISHING QUALITY	ST, SC, LC, FC, MU, UPC (other on request) Multimode : UPC; Singlemode : UPC or APC
MATERIAL OF CONNECTOR	ST, FC : Nickel plated SC, LC, MU : Composite
COLOR OF SC/LC HOUSING	Multimode : beige Singlemode : blue, green
FERULE MATERIAL SIZE OF FERULE SM SIZE OF FERULE MM	Ceramic zirconia (ZrO2) SM 125/126 µm MM 127/128 µm

PROPERTIES

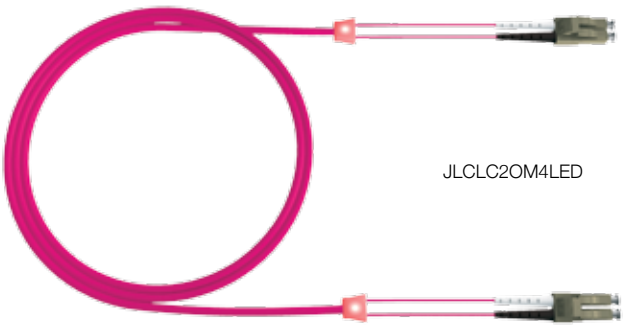
MECHANICAL	Mating cycles	> 1000
	Vibration	According to IEC 613000-2-2
	Tensile load	According to IEC 613000-2-1
	Crush resistance	200 N - 300N (short term)
	Bending radius	3000N / dm 25 mm
OPTICAL	Return Loss (typical)	MM > 35 dB SM > 55 dB
	Insertion Loss (typical)	0.20 dB
ENVIRONMENTAL	Temperature range	-40°C to +85°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
J xxx xxx yyyARD OM1	Steel armored round duplex multimode OM1 yyym LSZH	Unit
J xxx xxx yyyARD OM2	Steel armored round duplex multimode OM2 yyym LSZH	Unit
J xxx xxx yyyARD OM3	Steel armored round duplex multimode OM3 yyym LSZH	Unit
J xxx xxx yyyARD OM4	Steel armored round duplex multimode OM4 yyym LSZH	Unit
J xxx xxx yyyARD OS2	Steel armored round duplex singlemode OS2 (G652 D) yyym LSZH	Unit

Replace xxx letter by the type of connector : ST, SC, LC, FC, MU, E2 (E2000), SCA (SC-APC), LCA (LC-APC), FCA (FC-APC), E2A (E2000)
Replace yyy letter by the lengths : from 100m and more (other on demand)

FIBER OPTIC LED FLAT DUPLEX PATCHCORDS



BENEFITS

- Reinforced, flat duplex 3 x 5.2 mm patchcords for inter cabinets
- Unique LED based identification system thanks to a light injection
- The injector is conneted to end & activates the LED at far end
- The activated side is clearly visible from 2/3 m distance
- Customised lenghts on request

APPLICATIONS

- LAN (Local Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitain Area Network)
- FTTD (Fibre-To-The-Desk),
- WAN (Wide Area Network)

STANDARDS

- IEC 60793-2-10 : A1b (OM1), A1a 1(OM2), A1a 2(OM3), A1a 3(OM4)
- IEC 60793-2-50 : B1.3 (OS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (Reduced), UL V-0

CHARACTERISTICS

CONNECTOR TYPES POLISHING QUALITY	ST, SC, LC, FC, MU, UPC (other on request) Multimode : UPC; Singlemode : UPC or APC
MATERIAL OF CONNECTOR	ST, FC : Nickel plated SC, LC, MU, E2000 : Composite
COLOR OF SC/LC HOUSING	Multimode : beige Singlemode : blue, green
FERULE MATERIAL SIZE OF FERULE SM SIZE OF FERULE MM	Ceramic zirconia (ZrO2) SM 125/126 µm MM 127/128 µm

PROPERTIES

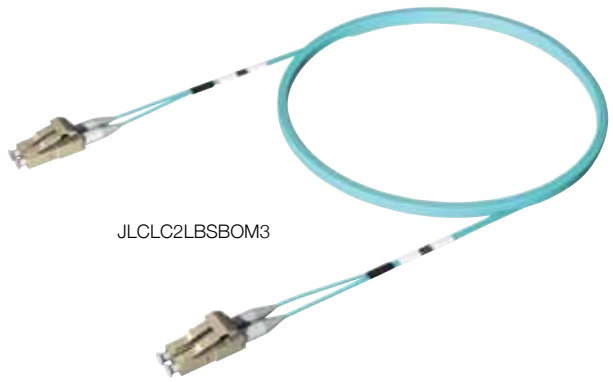
MECHANICAL	Mating cycles	> 1000
	Vibration	(IEC 613000-2-2)
	Tensile load	(IEC 613000-2-1)
	Crush resistance	250N - 450N (short term)
	Bending radius	500N / dm
		40 mm
OPTICAL	Return Loss (typical)	MM > 35 dB SM > 40 dB
	Insertion Loss (typical)	MM 0.35 dB
ENVIRONMENTAL	Temperature range	-40°C to +75°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
J xxx xxx yyy OM1 LED	LED easy ID flat duplex multimode OM1 yyym LSZH	Unit
J xxx xxx yyy OM2 LED	LED easy ID flat duplex multimode OM2 yyym LSZH	Unit
J xxx xxx yyy OM3 LED	LED easy ID flat duplex multimode OM3 yyym LSZH	Unit
J xxx xxx yyy OM4 LED	LED easy ID flat duplex multimode OM4 yyym LSZH	Unit
J xxx xxx yyy OS2 LED	LED easy ID flat duplex singlemode OS2 (G652 D) yyym LSZH	Unit
LED TOOL	LED injection tool	Unit
LED COIN	Spare coin cell for led activation tool	Unit

Replace xxx letter by the type of connector : ST, SC, LC, FC, MU, E2 (E2000), SCA (SC-APC), LCA (LC-APC), FCA (FC-APC), E2A (E2000)
Replace yyy letter by the lengths : from 1 to 20 m (other on demand according to a maximum of 200 m)

FIBER OPTIC LOW BENDING SHORT BOOT DUPLEX PATCHCORDS



BENEFITS

- Zipccord duplex Ø 2 mm MM & 1.6 mm SM extra flexible patchcords
- Low bending radius fiber for best in class perfs.in high density cabinets
- LC connectors with short boots to save depth for door closing
- Individual test report with RL & IL performance
- Customised lenghts on request

APPLICATIONS

- LAN (Local Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitain Area Network)
- FTTD (Fibre-To-The-Desk),
- WAN (Wide Area Network)
- CATV (Cable television)

STANDARDS

- IEC 60793-2-10 : A1b (OM1), A1a 1(OM2), A1a 2(OM3), A1a 3(OM4)
- IEC 60793-2-50 : B1.3 (OS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (Reduced)

CHARACTERISTICS

CONNECTOR TYPES POLISHING QUALITY	ST, SC, LC, FC, MU, UPC (other on request) Multimode : UPC Singlemode : UPC or APC
MATERIAL OF CONNECTOR	ST, FC : Nickel plated SC, LC, MU : Composite
COLOR OF SC/LC HOUSING	Multimode : beige Singlemode : blue, green
FERULE MATERIAL SIZE OF FERULE SM SIZE OF FERULE MM	Ceramic zirconia (ZrO2) SM 125/126 µm MM 127/128 µm

PROPERTIES

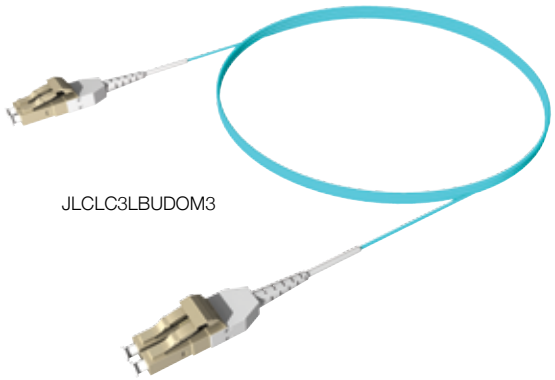
MECHANICAL	Mating cycles Vibration Crush resistance Bending radius Bending radius	> 1000 (IEC 613000-2-2) (IEC 613000-2-1) 1000N / dm MM : 7.5 mm = 0.4 dB SM : 10 mm = 0.1 dB
OPTICAL	Return Loss (typical)	MM > 20 dB SM > 55 dB
	Insertion Loss (typical)	From 0.15 to 0.30 dB
ENVIRONMENTAL	Temperature range	-20°C to +70°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
J xxx xxx yyy LBSB OM3	Low Bending Short Boot zipcord duplex multimode OM3 yyym LSZH	Unit
J xxx xxx yyy LBSB OM4	Low Bending Short Boot zipcord duplex multimode OM4 yyym LSZH	Unit
J xxx xxx yyy LBSB OS2	Low Bending Short Boot zipcord duplex singlemode OS2 (657 A2) yyym LSZH	Unit

Replace xxx letter by the type of connector : ST, SC, LC, FC, MU, E2 (E2000), SCA (SC-APC), LCA (LC-APC), FCA (FC-APC), E2A (E2000)
Replace yyy letter by the lengths : from 1 to 15m (other on demand)

FIBER OPTIC LOW BENDING UNIBOOT DUPLEX PATCHCORDS



JLCLC3LBUDOM3

BENEFITS

- Round duplex Ø 3 mm extra flexible patchcords for Data Centers
- Low bending radius FO for best in class perfs in high density cabinets
- LC connectors with uniboots to be more compact
- Individual test report with RL & IL performance
- Customised lenghts on request

APPLICATIONS

- LAN (Local Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitain Area Network)
- FTTD (Fibre-To-The-Desk),
- WAN (Wide Area Network)

STANDARDS

- IEC 60793-2-10 : A1b (OM1), A1a 1(OM2), A1a 2(OM3), A1a 3(OM4)
- IEC 60793-2-50 : B1.3 (OS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (Reduced)

CHARACTERISTICS

CONNECTOR TYPES **POLISHING QUALITY**	ST, SC, LC, FC, MU, UPC (other on request) Multimode : UPC Singlemode : UPC or APC
MATERIAL OF CONNECTOR	ST, FC : Nickel plated SC, LC, MU : Composite
COLOR OF SC/LC HOUSING	Multimode : beige Singlemode : blue, green
FERULE MATERIAL **SIZE OF FERULE SM** **SIZE OF FERULE MM**	Ceramic zirconia (ZrO2) SM 125/126 µm MM 127/128 µm

PROPERTIES

MECHANICAL	Mating cycles	> 1000
	Vibration	(IEC 613000-2-2)
	Crush resistance	(IEC 613000-2-1)
	Bending radius	300 - 500 N / dm (short term)
	Bending radius	MM : 7.5 mm SM : 15-20 mm
OPTICAL	Return Loss (typical)	MM > 35 dB SM > 40 dB
	Insertion Loss (typical)	From 0.15 to 0.30 dB
ENVIRONMENTAL	Temperature range	MM-40°C to +85°C SM-60°C to +85°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
J xxx xxx yyy LBUD OM3	Low Bending Uniboot round Duplex multimode OM3 yyym LSZH	Unit
J xxx xxx yyy LBUD OM4	Low Bending Uniboot round Duplex multimode OM4 yyym LSZH	Unit
J xxx xxx yyy LBUD OS2	Low Bending Uniboot round Duplex singlemode OS2 (657 A2) yyym LSZH	Unit

Replace xxx letter by the type of connector : ST, SC, LC, FC, MU, E2 (E2000), SCA (SC-APC), LCA (LC-APC), FCA (FC-APC), E2A (E2000)
Replace yyy letter by the lengths : from 1 to 25m (other on demand)

FIBER OPTIC HIGH GRADE PATCHCORDS





BENEFITS

- Simplex or zipccord duplex Ø 1.6 mm SM patchcords for telecom
- Special accuracy photonic fiber & grade A connectors
- Interferometry test report (end surface 3D with geometrical data)
- P/N and the S/N is also figuring on the test report
- Standard lenghts are 1 m, 2 m, 3 m, 5 m, 10 m & 15 m
- Customised lenghts on request

APPLICATIONS

- MAN (Metropolitain Area Network)
- FTTH (Fibre-To-The-Home), FTTA (Fibre To The Antenna)
- WAN (Wide Area Network)

STANDARDS

- IEC 60793-2-50 : B1.3 (OS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (Reduced)

CHARACTERISTICS

CONNECTOR TYPES POLISHING QUALITY	ST, SC, LC, FC, MU UPC or APC
MATERIAL OF CONNECTOR	ST, FC : Nickel plated SC, LC, MU : Composite
COLOR OF SC/LC HOUSING	blue, green
FERULE MATERIAL SIZE OF FERULE SM	Ceramic zirconia (ZrO2) SM 125/126µm

PROPERTIES

MECHANICAL	Mating cycles Vibration Tensile load Crush resistance	> 500 (IEC 613000-2-2) (IEC 613000-2-1) 90N 1000N / dm
OPTICAL	Return Loss (typical)	55/70 dB
	Insertion Loss (typical)	From 0.1 to 0.20 dB
ENVIRONMENTAL	Temperature range	-20°C to +60°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
J xxx xxx yyy SHG 7A2	Simplex or zipcord High Grade duplex singlemode OS2 (G657 A2) yyym LSZH	Unit

Replace xxx letter by the type of connector : ST, SC, LC, FC, MU, E2 (E2000), SCA (SC-APC), LCA (LC-APC), FCA (FC-APC), E2A (E2000)
Replace yyy letter by the lengths : from 1 to 25 m (other on demand)
Change S for D letter before HG for duplex patchcords

FIBER SYSTEMS

FIBER OPTIC PRETERMINATED

PRE-TERMINATED FIBER OPTIC LINKS

- Indoor mini break-out preterminated fiber optic link **128**
- Indoor/outdoor standard preterminated fiber optic link **129**
- Indoor/outdoor premium preterminated fiber optic link **130**
- Outdoor dieletric preterminated fiber optic link **131**
- Outdoor steel tape armoured preterminated fiber optic link **132**
- Indoor micro-core preterminated fiber optic link **133**
- Indoor nano-core preterminated fiber optic link **134**

INDOOR MINI BREAK OUT PRETERMINATED FIBER OPTIC LINK



BENEFITS

- Preterminated indoor FO link with corrugated pulling protection
- Tight buffered cable Ø 900 µm with waterblocking glass yarn
- Indoor multipurpose use in protected pulling conditions
- OTDR tests for links beyond 100 m, shorter with a dB meter
- Available from 4 to 24 cores, customised lenghts on request

APPLICATIONS

- LAN (Local Area Network)
- ENVIRONMENT : Indoor / Universal
- PULLING CONDITIONS : Uncoiling
- LINK TYPES : Horizontal or vertical cabling

STANDARDS

- IEC 60793-2-10 : A1b (OM1), A1a 1(OM2), A1a 2(OM3), A1a 3(OM4)
- IEC 60793-2-50 : B1.3 (OS2>, G652 D), B6 a (G657A),
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (Reduced), GR-409-CORE

CHARACTERISTICS

CONNECTOR TYPES **POLISHING QUALITY**	ST, SC, LC, FC, MU, UPC (other on request) Multimode : UPC Singlemode : UPC or APC
MATERIAL OF CONNECTOR	ST, FC : Nickel plated SC, LC, MU : Composite
COLOR OF SC/LC HOUSING	Multimode : beige Singlemode : blue, green
FERULE MATERIAL **SIZE OF FERULE SM** **SIZE OF FERULE MM**	Ceramic zirconia (ZrO2) SM 125/126µm MM 127/128µm

PROPERTIES

MECHANICAL	Mating cycles Vibration Tensile load Crush resistance Bending radius	> 2000 (IEC 613000-2-2) (IEC 613000-2-1) 400N 2000N / dm 20 x Ø
OPTICAL	Return Loss	Tested with OTDR (>100 m)
	Insertion Loss	Tested on OTDR (>100 m) Tested on dB meter (<100 m)
ENVIRONMENTAL	Temperature range Fire rating	-20°C to +70°C IEC 60332-1, IEC 60332-3

ORDERING INFORMATION

ITEM	DESCRIPTION	PACKAGING
P aa l yyy xxx xxx zzz	Indoor mini break-out perterminated fiber link LSZH	Unit

Replace aa letter by the fiber numbers : 4 / 6 / 8 / 12 / 24 fibers
Replace yyy letter by the length in meters : from 1 up to the limits of the standard
Replace xxx letter by the connectors : UPC connectors are : ST, FC, SC, LC, E2000, APC are SC, FC & LC, E2000
Replace zzz by type of fiber : OM1, OM2, OM3, OM4, OS2 (G652D) 7A2 (G657 A2), 7B3 (G657 B3)

INDOOR/OUTDOOR STANDARD PRETERMINATED FIBER OPTIC LINK



P06S130STSTOM2

IN/OUT LOOSE LSZH

BENEFITS

- Preterminated in/outdoor FO link with corrugated pulling protection
- Loose tube cable Ø 250 µm with gel + waterblocking glass yarn
- Universal use in protected pulling conditions
- OTDR tests for links beyond 100 m, shorter with a dB meter
- Available from 4 to 24 cores, customised lenghts on request

APPLICATIONS

- LAN (Local Area Network)
- CAN (Campus Area Network)
- ENVIRONMENT : indoor / universal / outdoor
- PULLING CONDITIONS : Easy pulling campus aerial
- LINK TYPES : Horizontal cabling

STANDARDS

- IEC 60793-2-10 : A1b (OM1), A1a 1(OM2), A1a 2(OM3), A1a 3(OM4)
- IEC 60793-2-50 : B1.3 (OS2>, G652 D), B6 a (G657A),
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (Reduced), GR-409-CORE

CHARACTERISTICS

CONNECTOR TYPES POLISHING QUALITY	ST, SC, LC, FC, MU, UPC (other on request) Multimode : UPC; Singlemode : UPC or APC
MATERIAL OF CONNECTOR	ST, FC : Nickel plated SC, LC, MU : Composite
COLOR OF SC/LC HOUSING	Multimode : beige Singlemode : blue, green
FERULE MATERIAL SIZE OF FERULE SM SIZE OF FERULE MM	Ceramic zirconia (ZrO2) SM 125/126 µm MM 127/128 µm

PROPERTIES

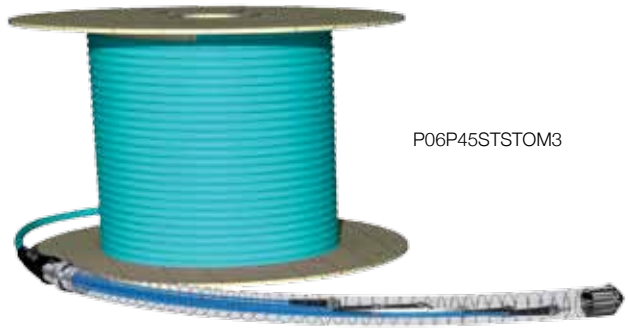
MECHANICAL	Mating cycles Tensile load Crush resistance Bending radius	> 2000 (IEC 613000-2-2) 800N 2000N / dm 140 mm (4 to 12 fibers) 150 mm (24 fibers)
OPTICAL	Return Loss	Tested with OTDR (>100 m)
	Insertion Loss	Tested on OTDR (>100 m) Tested on dB meter (<100 m)
ENVIRONMENTAL	Temperature range Fire rating	-40°C to +70°C IEC 60332-1, IEC 60332-3

ORDERING INFORMATION

ITEM	DESCRIPTION	PACKAGING
P aa S yyy xxx xxx zzz	Standard Indoor / Universal / Outdoor loose tube perterminated fiber link LSZH	Unit

Replace aa letter by the fiber numbers : 4 / 6 / 8 / 12 / 24 fibers
Replace yyy letter by the length in meters : from 1 up to the limits of the standard
Replace xxx letter by the connectors : UPC connectors are : ST, FC, SC, LC, E2000, APC are SC, FC & LC, E2000
Replace zzz by type of fiber : OM1, OM2, OM3, OM4, OS2 (G652D) 7A2 (G657 A2), 7B3 (G657 B3)

INDOOR/OUTDOOR PREMIUM PRETERMINATED FIBER OPTIC LINK



P06P45STSTOM3



BENEFITS

- Preterminated in/outdoor FO link steel armored pulling protection
- Loose tube cable Ø 250 µm with gel + waterblocking glass yarn
- Universal solution with excellent IP68 pulling protection
- OTDR tests for links beyond 100 m, shorter with a dB meter
- Available from 4 to 24 cores , customised lenghts on request

APPLICATIONS

- LAN (Local Area Network)
- CAN (Campus Area Network)
- ENVIRONMENT : indoor / universal / outdoor
- PULLING CONDITIONS : Tough pulling campus in duct
- LINK TYPES : Horizontal cabling

STANDARDS

- IEC 60793-2-10 : A1b (OM1), A1a 1(OM2), A1a 2(OM3), A1a 3(OM4)
- IEC 60793-2-50 : B1.3 (OS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (Reduced), GR-409-CORE

CHARACTERISTICS

CONNECTOR TYPES **POLISHING QUALITY**	ST, SC, LC, FC, MU, UPC (other on request) Multimode : UPC Singlemode : UPC or APC
MATERIAL OF CONNECTOR	ST, FC : Nickel plated SC, LC, MU : Composite
COLOR OF SC/LC HOUSING	Multimode : beige Singlemode : blue, green
FERULE MATERIAL **SIZE OF FERULE SM** **SIZE OF FERULE MM**	Ceramic zirconia (ZrO2) SM 125/126 µm MM 127/128µm

PROPERTIES

MECHANICAL	Mating cycles Tensile load Crush resistance Bending radius	> 2000 (IEC 613000-2-2) 1500N 2000N / dm 140 mm (4 to 12 fibers) 150 mm (24 fibers)
OPTICAL	Return Loss	Tested with OTDR (>100 m)
	Insertion Loss	Tested on OTDR (>100 m) Tested on dB meter (<100 m)
ENVIRONMENTAL	Temperature range Fire rating	-40°C to +70°C IEC 60332-1, 60332-3

ORDERING INFORMATION

ITEM	DESCRIPTION	PACKAGING
P aa P yyy xxx xxx zzz	Premium Indoor / Universal / Outdoor loose tube preterminated fiber link LSZH	Unit

Replace aa letter by the fiber numbers : 4 / 6 / 8 / 12 / 24 fibers
Replace yyy letter by the length in meters : from 1 up to the limits of the standard
Replace xxx letter by the connectors : UPC connectors are : ST, FC, SC, LC, E2000, APC are SC, FC & LC, E2000
Replace zzz by type of fiber : OM1, OM2, OM3, OM4, OS2 (G652D) 7A2 (G657 A2), 7B3 (G657 B3)

OUTDOOR DIELETRIC PRETERMINATED FIBER OPTIC LINK



P6E90STSTOS2

BENEFITS

- Preterminated outdoor FO link with steel armoured pulling protection
- Loose tube cable Ø 250µm with gel + reinforced glass yarn
- Dielectric enhanced mechanical protection
- OTDR tests for links beyond 100 m, shorter with a dB meter
- Available from 4 to 24 cores, customised lenghts on request

APPLICATIONS

- LAN (Local Area Network)
- CAN (Campus Area Network)
- ENVIRONMENT : Outdoor
- PULLING CONDITIONS : Tough pulling campus in duct & aerial
- LINK TYPES : Horizontal cabling

STANDARDS

- IEC 60793-2-10 : A1b (OM1), A1a 1(OM2), A1a 2(OM3), A1a 3(OM4)
- IEC 60793-2-50 : B1.3 (OS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (Reduced), GR-409-CORE

CHARACTERISTICS

CONNECTOR TYPES POLISHING QUALITY	ST, SC, LC, FC, MU, UPC (other on request) Multimode : UPC Singlemode : UPC or APC
MATERIAL OF CONNECTOR	ST, FC : Nickel plated SC, LC, MU : Composite
COLOR OF SC/LC HOUSING	Multimode : beige Singlemode : blue, green
FERULE MATERIAL SIZE OF FERULE SM SIZE OF FERULE MM	Ceramic zirconia (ZrO2) SM 125/126 µm MM 127/128 µm

PROPERTIES

MECHANICAL	Mating cycles Tensile load Crush resistance Bending radius	> 2000 (IEC 613000-2-2) 1500N 4000N / dm 20 x Ø
OPTICAL	Return Loss	Tested with OTDR (>100 m)
	Insertion Loss	Tested on OTDR (>100 m) Tested on dB meter (<100 m)
ENVIRONMENTAL	Temperature range Fire rating	-40°C to +70°C IEC 60332-1, IEC 60332-3

ORDERING INFORMATION

ITEM	DESCRIPTION	PACKAGING
P aa E yyy xxx xxx zzz	Outdoor dielectric loose tube preterminated fiber link PEHD	Unit

Replace aa letter by the fiber numbers : 4 / 6 / 8 / 12 / 24 fibers
Replace yyy letter by the length in meters : from 1 up to the limits of the standard
Replace xxx letter by the connectors : UPC connectors are : ST, FC, SC, LC, E2000, APC are SC, FC & LC, E2000
Replace zzz by type of fiber : OM1, OM2, OM3, OM4, OS2 (G652D) 7A2 (G657 A2), 7B3 (G657 B3)

OUTDOOR STEEL TAPE ARMOURED PRETERMINATED FIBER OPTIC LINK



P06A120STSTOS2



BENEFITS

- Preterminated outdoor FO link with steel armoured pulling protection
- Steel tape LT cable Ø 250 µm with gel + reinforced glass yarn
- Best mechanical protecion
- OTDR tests for links beyond 100 m, shorter with a dB meter
- Available from 4 to 24 cores, customised lenghts on request

APPLICATIONS

- LAN (Local Area Network)
- CAN (Campus Area Network)
- MAN (Metropolitan Area Network)
- ENVIRONMENT : Outdoor
- PULLING CONDITIONS : Tough pulling campus in duct or buried
- LINK TYPES : Mechanical risks, rodents attacks

STANDARDS

- IEC 60793-2-10 : A1b (OM1), A1a 1(OM2), A1a 2(OM3), A1a 3(OM4)
- IEC 60793-2-50 : B1.3 (OS2>, G652 D), B6 a (G657A),
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (Reduced), GR-409-CORE

CHARACTERISTICS

CONNECTOR TYPES POLISHING QUALITY	ST, SC, LC, FC, MU, UPC (other on request) Multimode : UPC Singlemode : UPC or APC
MATERIAL OF CONNECTOR	ST, FC : Nickel plated SC, LC, MU : Composite
COLOR OF SC/LC HOUSING	Multimode : beige Singlemode : blue, green
FERULE MATERIAL SIZE OF FERULE SM SIZE OF FERULE MM	Ceramic zirconia (ZrO2) SM 125/126 µm MM 127/128 µm

PROPERTIES

MECHANICAL	Mating cycles Tensile load Crush resistance Bending radius	> 2000 (IEC 613000-2-2) 1500N 5000N / dm 20 x Ø
OPTICAL	Return Loss	Tested with OTDR (>100 m)
	Insertion Loss	Tested on OTDR (>100 m) Tested on dB meter (<100 m)
ENVIRONMENTAL	Temperature range Fire rating	-40°C to +70°C IEC 60332-1, 60332-3

ORDERING INFORMATION

ITEM	DESCRIPTION	PACKAGING
P aa A yyy xxx xxx zzz	Outdoor steel tape armoured loose tube preterminated fiber link PEHD	Unit

Replace aa letter by the fiber numbers : 4 / 6 / 8 / 12 / 24 fibers
Replace yyy letter by the length in meters : from 1 up to the limits of the standard
Replace xxx letter by the connectors : UPC connectors are : ST, FC, SC, LC, E2000, APC are SC, FC & LC, E2000
Replace zzz by type of fiber : OM1, OM2, OM3, OM4, OS2 (G652D) 7A2 (G657 A2), 7B3 (G657 B3)

INDOOR MICRO-CORE PRETERMINATED FIBER OPTIC LINK





BENEFITS

- Preterminated indoor FO link with polyamide pulling protection
- Loose Tube cable Ø 250 µm with aramid yarn & Ø 3.4 mm (24fo)
- Indoor compact use in protected uncoiling narrow environement
- OTDR tests for links beyond 100 m, shorter with a dB meter
- Available in 12 or 24 cores, customised lenghts on request

APPLICATIONS

- SAN (Storage Area Network)
- MAN (Metropolitan Area Network)
- ENVIRONMENT : indoor
- PULLING CONDITIONS : Easy pulling & Uncoiling
- LINK TYPES : between 2 cabinets with the best mechanical protection

STANDARDS

- IEC 60793-2-10 : A1b (OM1), A1a 1(OM2), A1a 2(OM3), A1a 3(OM4)
- IEC 60793-2-50 : B1.3 (OS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (Reduced), GR-409-CORE

CHARACTERISTICS

CONNECTOR TYPES POLISHING QUALITY	ST, SC, LC, FC, MU, UPC (other on request) Multimode : UPC Singlemode : UPC or APC
MATERIAL OF CONNECTOR	ST, FC : Nickel plated SC, LC, MU : Composite
COLOR OF SC/LC HOUSING	Multimode : beige Singlemode : blue, green
FERULE MATERIAL SIZE OF FERULE SM SIZE OF FERULE MM	Ceramic zirconia (ZrO2) SM 125/126 µm MM 127/128 µm

PROPERTIES

MECHANICAL	Mating cycles Tensile load Crush resistance Bending radius	> 2000 (IEC 613000-2-2) 160N 950N/dm(12 fo)-700N / dm (24 fo) ≥ 5 x Ø
OPTICAL	Return Loss	Tested with OTDR (>100 m)
	Insertion Loss	Tested on OTDR (>100 m) Tested on dB meter (<100 m)
ENVIRONMENTAL	Temperature range Fire rating	-40°C to +70°C IEC 60332-1, 60332-3

ORDERING INFORMATION

ITEM	DESCRIPTION	PACKAGING
P aa M yyy xxx xxx zzz	Indoor Micro-core loose tube preterminated fiber link LSZH	Unit

Replace aa letter by the fiber numbers : 12 / 24 fibers
Replace yyy letter by the length in meters : from 1 up to 30 meters
Replace xxx letter by the connectors : UPC connectors are : ST, FC, SC, LC, E2000, APC are SC, FC & LC, E2000
Replace zzz by type of fiber : OM1, OM2, OM3, OM4, OS2 (G652D) 7A2 (G657 A2), 7B3 (G657 B3)

INDOOR NANO-CORE PRETERMINATED FIBER OPTIC LINK





BENEFITS

- Preterminated indoor FO link with corrugated PA12 outer jacket
- Loose Tube Ø 250µm with Ø 3 mm (12fo) & Ø 5 mm (24fo) jacket
- Indoor use in protected uncoiling environement
- OTDR tests for links beyond 100 m, shorter with a dB meter
- Available in 12 or 24 cores, customised lenghts on request

APPLICATIONS

- LAN (Local Area Network)
- SAN (Storage Area Network)
- ENVIRONMENT : Indoor
- PULLING CONDITIONS : Easy pulling & Uncoiling
- LINK TYPES : Between 2 cabinets, risks of data loss

STANDARDS

- IEC 60793-2-10 : A1b (OM1), A1a 1(OM2), A1a 2(OM3), A1a 3(OM4)
- IEC 60793-2-50 : B1.3 (OS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (Reduced), GR-409-CORE

CHARACTERISTICS

CONNECTOR TYPES **POLISHING QUALITY**	ST, SC, LC, FC, MU, UPC (other on request) Multimode : UPC; Singlemode : UPC or APC
MATERIAL OF CONNECTOR	ST, FC : Nickel plated SC, LC, MU : Composite
COLOR OF SC/LC HOUSING	Multimode : beige Singlemode : blue, green
FERULE MATERIAL **SIZE OF FERULE SM** **SIZE OF FERULE MM**	Ceramic zirconia (ZrO2) SM 125/126 µm MM 127/128 µm

PROPERTIES

MECHANICAL	Mating cycles Tensile load Crush resistance Bending radius	> 2000 (IEC 613000-2-2) 150N (12 fo) - 200N (24fo) 1000N / dm 30 mm
OPTICAL	Return Loss	Tested with OTDR (>100 m)
	Insertion Loss	Tested on OTDR (>100 m) Tested on dB meter (<100 m)
ENVIRONMENTAL	Temperature range Fire rating	-10°C to +70°C IEC 60332-1, 60332-3

ORDERING INFORMATION

ITEM	DESCRIPTION	PACKAGING
P aa N yyy xxx xxx zzz	Indoor Nano-core loose tube preterminated fiber link LSZH	Unit

Replace aa letter by the fiber numbers : 12 / 24 fibers
Replace yyy letter by the length in meters : from 1 up to the limits of the standard
Replace xxx letter by the connectors : UPC connectors are : ST, FC, SC, LC, E2000, APC are SC, FC & LC, E2000
Replace zzz by type of fiber : OM1, OM2, OM3, OM4, OS2 (G652D) 7A2 (G657 A2), 7B3 (G657 B3)

FIBER SYSTEMS

FIBER OPTIC WALL BOXES AND OUTLETS

FIBER OPTIC WALL BOXES & OUTLETS

- Surface & wall mounted FO box **136**
- Outdoor FO Box 24 FO **137**
- Outdoor FO Box 48 FO **138**
- Metal FO Box 4 LGX **139**
- Faceplate for users' outlet **140**
- Vertical modular users' outlet **141**
- End users' outlet for FTTx **142**

SURFACE & WALL MOUNTED FO BOX



48BMOP3P
(*Shown loaded*)



BENEFITS

- Fiber optic access point for users'outlet or consolidation point
- STD, SCD or LCQ adapters can be mixed in the same box
- Easy ID with label holders on top cover, numbers and icons
- Accepts tight buffered fibers only, singlemode or multimode
- Integrated routing management hooks for bending radius protection

APPLICATIONS

- LAN (Local Area Network)
- MAN (Metropolitain Area Network)
- FTTD (Fibre-To-The-Desk)
- ENVIRONMENT : Indoor

STANDARDS

- OPTICAL PERFORMANCES : IEC 61754-20, IEC 61754-14, IEC 61754-7
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA 568-C.3

CHARACTERISTICS

DIMENSIONS	Width 180 mm x depth 150 mm x height 33.33 mm
MATERIAL	ABS coupound with powder coating RAL 9003
FEATURES	Surface/wall mounted box for 3 x adapter plates No splicing possibility
INPUT	2 x rear cable entries 2 x side cable entries

PROPERTIES

MECHANICAL	Net weight (unloaded)	0.20 Kg
	wCompatible adapters	STD, SCD, LCQ
	Maximum Density	6 fo (Ø 3 mm cable) 12 fo (Ø 1.6 mm)
ENVIRONMENTAL	Temperature range	-15°C to +60°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
48BMOP3P	Unloaded surface & wall mounted FO box	Unit
48BMOPSC	Unloaded adapter plate for 1 x STD, SCD, LCQ (plastic, SC D footprint) adapter	Unit
48BMOPOB	Blank adapter plate for unused port	Unit

OUTDOOR FO BOX 24 FO



48BMOP24IP65P
(*Shown loaded*)



BENEFITS

- Suitable for outdoor connections such as video security networks
- Protects the connections from dust or water ingress
- Delivered unloaded and ready to receive duplex SC or Quad LC
- Interconnects tight buffered, loose or steel tape armoured cable
- Easy ID with sticker inside top cover and transparent lid

APPLICATIONS

- LAN (Local Area Network)
- CAN (Campus Area Network)
- MAN (Metropolitan Area Network)
- FTTD (Fibre-To-The-Desk), FTTH (Fibre-To-The-Home)
- FTTA (Fibre-To-The-Antenna)
- ENVIRONMENT : Outdoor (or Indoor)

STANDARDS

- OPTICAL PERFORMANCES : IEC 61754-20, IEC 61754-14, IEC 61754-7
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA 568-C.3

CHARACTERISTICS

DIMENSIONS	Width 186 mm x depth 61 mm x height 258 mm Width when the door is open : 372 mm
MATERIAL	ABS coupound with powder coating RAL 7035 Supplied with 12 heatshrinks, snake tube, cable ties wall mount accessories & a key
FEATURES	Lockable outdoor IP65 fiber wall box suitable for interconnections (backbone/distribution)
INPUT	1 x 20 mm cable entries 2 x 20 mm cable output

PROPERTIES

MECHANICAL	Net weight (unloaded)	0.85 Kg
	Compatible adapters :	SCD, LCQ
	Maximum Density	24 fo (without splicing) 12 fo (with or without splicing)
ENVIRONMENTAL	Temperature range	-40°C to +60°C

ORDERING INFORMATION

ITEM	DESCRIPTION	PACKAGING
48BMOP24IP65P	Unloaded IP 65 fiber wall box for 12/24 fibers including mounting kit and 12 heathshrinks tubes 60 mm	Unit

OUTDOOR FO BOX 48 FO



48BMOP48IP65P
(*Shown loaded*)



BENEFITS

- Suitable for outdoor connections such as video security networks.
- Protects the connections from dust or water ingress.
- Delivered unloaded; receives simplex ST or SC or duplex LC
- Interconnects tight buffered, loose, pre-terminated or STA
- Removable splice tray with 2 sides, up with adapters, down splice

APPLICATIONS

- LAN (Local Area Network)
- CAN (Campus Area Network)
- MAN (Metropolitan Area Network)
- FTTD (Fibre-To-The-Desk), FTTH (Fibre-To-The-Home)
- FTTA (Fibre-To-The-Antenna)
- ENVIRONMENT : Outdoor (or Indoor)

STANDARDS

- OPTICAL PERFORMANCES : IEC 61754-20, IEC 61754-14, IEC 61754-7
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA 568-C.3

CHARACTERISTICS

DIMENSIONS	Width 270 mm x depth 110 mm x height 340 mm Width when the door is open : 372 mm
MATERIAL	ABS coupound with powder coating RAL 7035 Supplied with 24 heatshrinks, snake tube, cable ties wall mount accessories & a key
FEATURES	Lockable outdoor IP65 fiber wall box suitable for interconnections (backbone/distribution) Removable door for quicker access while installating
INPUT / OUPUT	2 x PG16 cable glands for cable input 2 x 20 mm cable input or output 3 x sealed cable gland 20 mm for 3 x 8 fibers output

PROPERTIES

MECHANICAL	Net weight (unloaded)	1.80 Kg
	Compatible adapters	STS, SCS, LCD
	Maximum Density	48 fo (without splicing) 24 fo (with or without splicing)
ENVIRONMENTAL	Temperature range	-40°C to +60°C

ORDERING INFORMATION

ITEM	DESCRIPTION	PACKAGING
48BMOP48IP65P	Unloaded IP 65 fiber wallbox for 24/48 fibers Including mounting kit and 24 heathshrinks 60 mm	Unit

METAL FO BOX 4 LGX



48BMOP4LGX
(*Sown with LGX modules*)



BENEFITS

- Metal wall box for 4 LGX module adapter plates.
- Receives up to 96 fibers, SC, LC MM or SM for indoor applications
- Multiple cable entry : 4 x through glands on top, 4 on bottom
- Can be used as a demarcation point or a riser sub-distribution unit
- Delivered unloaded; receives simplex or duplex SC LC and quad LC.

APPLICATIONS

- LAN (Local Area Network)
- CAN (Campus Area Network)
- MAN (Metropolitan Area Network),
- FTTD (Fibre-To-The-Desk), FTTH (Fibre-To-The-Home),
- ENVIRONMENT : Indoor

STANDARDS

- OPTICAL PERFORMANCES : IEC 61754-20, IEC 61754-14, IEC 61754-7
- OPTICAL SYSTEM : ISO 11801, ED2.2
  EIA/TIA 568-C.3

CHARACTERISTICS

DIMENSIONS	Width 360 mm x depth 120 mm x height 360 mm Width when the door is open : 452 mm
MATERIAL	Cold rolled steel 1.2 mm with powder coating RAL 7035 Supplied with 1 or 2 keys
FEATURES	Lockable indoor IP20 fiber wall box suitable for interconnections (backbone/distribution) Removable door for quicker access while installating
INPUT / OUPUT	4 x 20 mm cable entries 4 x 25 mm cable entries Locking system including a key

PROPERTIES

MECHANICAL	Net weight (unloaded)	7.5Kg
	Compatible adapters	SCS, SCD, LCD, LCQ
	Maximum Density	96 fo (with or without splicing)
ENVIRONMENTAL	Temperature range	-40°C to +60°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
48BMOP4LGX	Fiber metal wall box 1 door for 4 LGX modules including cable management rings for bending radius protection	Unit
48BMOP4LGX2P	Fiber metal wall box 2 doors for 4 LGX modules including cable management rings for bending radius protection	Unit
LXU06SCDLCQ	Unloaded LGX module adapter plate for 6 SC duplex or L quad adapters	Unit
LXU12SCSLCD	Unloaded LGX module adapter plate for 12 SC simlex or L duplex adapters	Unit

FACEPLATE FOR USERS OUTLET



48MMP2SCD

BENEFITS

- 45x45 faceplate for FTTD MM or SM indoor applications
- Receives 8 fo on 2 x LC quad or 4 fo on 2 x SC duplex adapters
- Also suitable for 2 x ST or FC duplex adapters
- Can be mounted into a duct or an outlet with a back box wallplate
- Holding system authorize horizontal or vertical mounting on a pole
- The faceplates are angled in order to save depth into the ducts

APPLICATIONS

- LAN (Local Area Network)
- CAN (Campus Area Network)
- FTTD (Fibre-To-The-Desk)
- ENVIRONMENT : Indoor

STANDARDS

- OPTICAL PERFORMANCES : IEC 61754-20, IEC 61754-14, IEC 61754-7
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA 568-C.3

CHARACTERISTICS

DIMENSIONS	Width 45 mm x height 45 mm
MATERIAL	Polycarbonate (PC) RAL 9010
FEATURES	Angled faceplate for fiber adapters Suitable for user's outlet

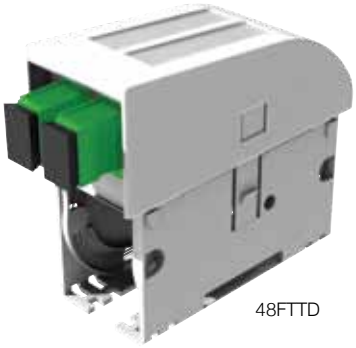
PROPERTIES

MECHANICAL	Bending radius	Protected with most of popular cable ducts.
	Compatible adapters	STD, SCD, LCQ
	Maximum Density	8 fo (without splicing)
ENVIRONMENTAL	Temperature range	-10°C to +60°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
48MMP2SCD	45 x 45 mm faceplate for 2 x SCD - RAL 9010	Pack of 6
WPF45R9003	86 x 86 mm wallplate UK style 1 gang - 45x45 mm inner space - RAL 9003	Unit
WP8686R9003	86 x 86 mm surface back box UK style 1 gang - depth 45 mm - RAL 9003	Unit

VERTICAL MODULAR USERS OUTLET



48FTTD

BENEFITS

- Fiber or mixed RJ45/ fiber outlet with 2 ports
- Suitable for 4 x tight buffered cables
- 4 x Splice holders also included for pigtail connections
- Two label ports on top cover for a smooth identification per port.
- The adapters' orientation is angled to respect the bending radius.

APPLICATIONS

- LAN (Local Area Network)
- CAN (Campus Area Network)
- FTTD (Fibre-To-The-Desk)
- ENVIRONMENT : Indoor

STANDARDS

- OPTICAL PERFORMANCES : IEC 61754-20, IEC 61754-14, IEC 61754-7
- OPTICAL SYSTEM : ISO 11801, ED AMD 2.2
  EIA/TIA 568-C.3

CHARACTERISTICS

DIMENSIONS	48 FTTD : width 45 mm x height 100 mm X48FTTD : width 50 mm x height 100 mm Vertical mounting on aluminum drop/pole or cable duct
MATERIAL	Polycarbonate RAL 9010
FEATURES	Vertical faceplate Suitable for user's outlet For 2 fiber adapters or mixed 1 RJ45 + 1 fiber adapter

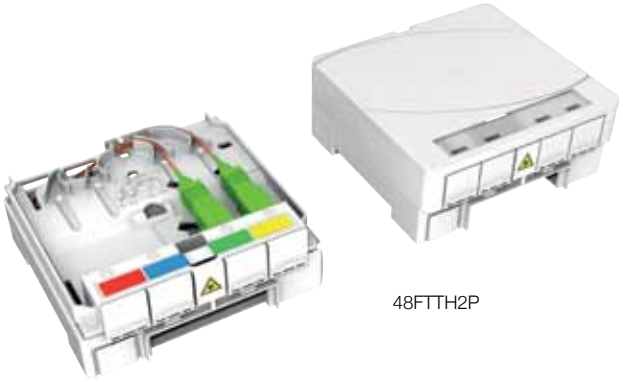
PROPERTIES

MECHANICAL	Bending radius	Cable routing ring included
OPTICAL	Compatible adapters	STD, SCD, LCQ
	Maximum Density	4 fo (with or without splicing)
ENVIRONMENTAL	Temperature range	-10°C to +60°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
48FTTD	45 x 100 mm unloaded outlet - RAL 9010	Unit
X48FTTD	50 x 100 mm unloaded outlet - RAL 9010	Unit
48FTTDSTST	2 x ST adapter plate for 48FTTD & X48FTTD	Unit
48FTTDSCSC	2 x duplex SC adapter plate for 48FTTD & X48FTTD	Unit
48FTTDLCLC	2 x duplex LC or simplex SC ad. plate for 48FTTD & X48FTTD	Unit
48 FTTDSCRJK	1 x duplex SC or duplex LC + 1 x MMC MK RJ45 jack	Unit
48FTTDLCRJK	1 x duplex SC or duplex LC + 1 x MMC MK RJ45 jack	Unit

END USERS OUTLET FOR FTTH



48FTTH2P

BENEFITS

- The 48FTTH is a users' outlet for FTTH applications
- 4 fibers between drops or indoor subscriber cable and patchcord
- Can be wall flush mounted on a 35 mm DIN rail
- Allows fiber storage on 2 independent levels for bare and tubed fiber
- Allows the use of heatshrinks or mechanical splice

APPLICATIONS

- LAN (Local Area Network)
- CAN (Campus Area Network)
- MAN (Metropolitan Area Network)
- FTTH (Fibre-To-The-Home)
- FTTD (Fibre-To-The-Desk)
- ENVIRONMENT : Indoor

STANDARDS

- OPTICAL PERFORMANCES : IEC 61754-20, IEC 61754-14, IEC 61754-7
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA 568-C.3

CHARACTERISTICS

DIMENSIONS	Width 82 mm x depth 32 mm x height 90 mm Mounting distance for screws 60 mm
MATERIAL	ABS-PC RAL 9010
FEATURES	Wall or flush mounted box for user's outlet For 2 SC Duplex adapters or 2 SC Simplex adapters

PROPERTIES

MECHANICAL	Tensile load Bending radius	≥ 10daN ≥ 15 mm Splice tray included
OPTICAL	Compatible adapters	STD, SCD, LCQ
	Maximum Density	4 fo (with or without splicing)
ENVIRONMENTAL	Temperature range	-10°C to +60°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
48FTTH2	Unloaded outlet for 1 user, receives 2 Simplex SC APC adapters	Unit
48FTTH4	Unloaded outlet for 2 users, receives 2 Duplex SC APC adapters	Unit
48FTTH2P	Unloaded outlet for 1 user + pigtails and adapters	Unit
48FTTH4P	Unloaded outlet for 2 users + pigtails and adapters	Unit
48FTTH2PC	Unloaded outlet 1 user + pigtails G657A2, adapters + 30 m of cable G657 A2	Unit
48FTTH4PC	Unloaded outlet 2 users + pigtails G657A2, adapters + 30 m of cable G657 A2	Unit

FIBER SYSTEMS

FIBER OPTIC MTP® SYSTEM

FIBER OPTIC MTP® SYSTEM
- Modular MTP® transformer fiber panels 144
- MTP® adapters 145
- Loaded LGX adapter plate modules & MTP® cassettes 146
- Indoor micro-core preterminated MTP® link 147
- Indoor micro-core preterminated MTP® fan out 148

MODULAR MTP® TRANSFORMER FIBER PANEL



BENEFITS

- Ultra High Density with MTP® adapters or cassettes front/back
- Maximum modularity with removable front plates
- Easy ID with label holders on coverring ports
- 25 years' warranty on MTP cassettes and preterms

APPLICATIONS

- LAN (Local Area Network)
- SAN (Storage Area Network)

STANDARDS

- OPTICAL PERFORMANCES : IEC 61754-20, IEC 61754-14, IEC 61754-7
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA 568-C.3

CHARACTERISTICS

DIMENSIONS	Widh 482.6 mm (19") x depth 250 mm x heigth 44.45 mm (1U)
MATERIAL	Steel sheet 1.5 mm (chassis) 1.2 mm (cassettes) with powder coating RAL 7016
FEATURES	19" sliding panel with removable front plates
INPUT / OUPUT	2 x PG13.5 & 2 x PG16 inputs both sides 1 additional LGX possible input at central backside

PROPERTIES

MECHANICAL	Net weight (unloaded)	2.40 Kg
	Compatible adapters	MTP simplex (SC simplex footprint) MTP simplex flangeless (FL) MTP duplex (SC D footprint)
	Maximum Density (Based on 12 FO MTP)	576 FO with 48 MTP simplex FL 576 FO with 24 MTP duplex 720 FO with 5 LGX modules
ENVIRONMENTAL	Temperature range	-10°C to +60°C

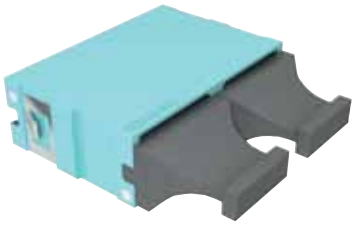
ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
CH1U	Empty chassis including cable routing management kit (6 x Bunny clips, 6 x cable ties & 1 x PG13.5 cable gland)	Unit
FU1U24SCSLCD	Unloaded front plate for 24 x MTP simplex adapters	Unit
FU1U24SCDLCQ	Unloaded front plate for 24 x MTP duplex adapters	Unit
FU1U48SCSLCD	Unloaded front plate for 48 x MTP simplex flangeless adapters	Unit
FU1U3MOD	Unloaded front plate for 3 LGX modules and/or MTP cassettes	Unit
ECA451U	Rear cable entry 45° for 1 x PG13.5 or 1 x PG16	Unit
ECAMP1U	Rear cable entry for Micro and Premium preterms	Unit
EQCH1U19	19" rear additional bracket	Pack of 2
EQCH1U23	ETSI 23" front or rear alternative bracket	Pack of 2

MTP® ADAPTERS



48SMTMTPSFL



48MMTMTPDFL

BENEFITS

- MTP simplex and duplex one piece adapters with SC footprint
- Polyetherimide housing & stainless steel spring clip
- Universal for MM standard & SM Elite MTP connectors
- Available in simplex and duplex versions, full flange or flangeless
- Keyed colored versions are also availables on request

APPLICATIONS

- CAN (Campus Area Network)
- SAN (Storage Area Network)
- FTTA (Fibre To The Antenna)
- 10G Fiber Channel & Infiniband Compliant
- 40G & 100G IEEE 802.3
- SNAP 12, POP 4, QSFP

STANDARDS

- COMPONENT : IEC 60874-14, TIA/EIA 604-3-B, IEC 61754-7
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA568-C.3
- COMPATIBILITY : IEC 60874-10-B, IEC 61754-4, FOCIS-3
  EIA/TIA 604-5
- CECC BFOC 86260, Bellcore/Telcordia

CHARACTERISTICS

DIMENSIONS	Splx : width 23 mm x depth 9.4 mm x height 3 mm Dplx : width 34.8 mm x depth 9.3 mm x height 3 mm Splx FL : width 14.7 mm x depth 9.4 mm x height 3 mm Dplx FL : width 28.4 mm x depth 9.3 mm x height 3 mm
ALIGNMENT	Thanks to 2 guide pins on the connectors each side
HOUSING	Polyetherimide body
HOUSING COLORS	Standard : black with opposite key Optional : beige, green, aqua, blue, grey, red, magenta.
INSERTION FIXATION	Push-pull 2 x M2 screws and/or snap on with metal clip

PROPERTIES

MECHANICAL	Mating Cycles	500 (IEC 613000-2-2)
	Vibration	(IEC 613000-2-1)
OPTICAL	I.L. with MM Elite connectors I.L. with MM Std connectors R.L.	0.10 dB to 0.35 dB 0.20 dB to 0.60 dB >20 dB
	I.L. with SM Elite connectors I.L. with SM Std connectors R.L.	0.10 dB to 0.35 dB 0.25 dB to 0.75 dB >60 dB (8° APC)
ENVIRONMENTAL	Temperature range	-40°C to +75°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
48SMTMTPS	MTP simplex black SM/MM adapter (SC simplex footprint) with 1 dust cap, opposite key	Pack of 25
48SMTMTPD	MTP simplex flangeless black SM/MM adapter (SC simplex footprint) with 1 dust cap, opposite key	Pack of 25
48SMTMTPSFL	MTP duplex black SM/MM adapter (SC simplex footprint) with 1 dust cap, opposite key	Pack of 25
48SMTMTPDFL	MTP duplex flangeless black SM/MM adapter (SC simplex footprint) with 1 dust cap, opposite key	Pack of 25

NOTE : for keyed colored versions please add the following letters after the MTP part numbers.(BE) beige, (G) green, (A) aqua, (B)blue, (GY) grey, (R) red, (MA) magenta.

LOADED LGX ADAPTER PLATE MODULES & MTP® CASSETTES



CAMTP6SCDOS2



LX12ALCADMONO

BENEFITS

- Loaded LGX adapter modules & MTP cassettes for chassis.
- Cassettes loaded with screwless adapters and MTP fan out
- Warranty seal and test report sticked on top cover
- Cassettes surrounded by a covering plate with 2 port ID label holders

APPLICATIONS

- LAN (Local Area Network)
- CAN (Campus Area Network)
- SAN (Storage Area Network)
- MAN (Metropolitain Area Network)
- WAN (Wide Area Network)

STANDARDS

- IEC 60793-2-10 : A1b (OM1), A1a 1(OM2), A1a 2(OM3), A1a 3(OM4)
- IEC 60793-2-50 : B1.3 (OS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA 568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (Reduced)

CHARACTERISTICS

DIMENSIONS	Module : width 96.6 mm x depth 40 mm x height 29 mm Cassette : width 107.8 mm x depth 109.4 mm x height 25.1 mm
MATERIAL	Steel sheet 1.2 mm (fiber modules & MTP cassette) Steel Sheet 1.5 mm (copper & brush module) with powder coating RAL 7016
FEATURES	LGX adapter modules loaded with adapters MTP cassettes, loaded with adapters and pigtails
LOCKING SYSTEM	2 x push-pull buttons (snap latches)

PROPERTIES

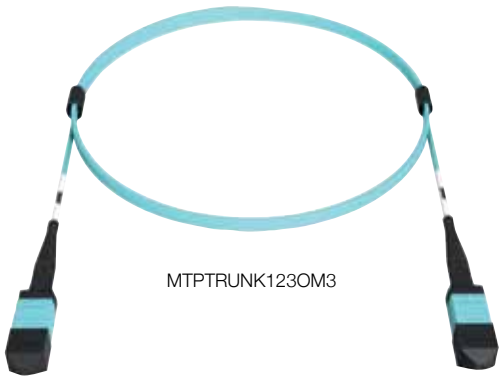
MECHANICAL	Net weight (unloaded)	From 0.06 Kg to 0.10 Kg
	Compatible adapters	LGX Modules : brush, RJ45 LGX & Cassettes : SC, LC, MTP
OPTICAL	Compatible fibers	All types of MM & SM
ENVIRONMENTAL	Temperature range	-10°C to +60°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
LX xxA yyyy wwww	Loaded LGX adapter plate module	Unit
CAMTP xxA yyyy www	Loaded MTP Plug & Play cassette	Unit

Replace xx letter by number of adapters : from 1 to 24 or 48 (only SCS, SCAS, LCD, LCAD & MTPS)
Replace yyy letter by type of adapters : STS, STD, SCS, SCAS, SCD, LCD, LCAD, LCQ, LCAQ, FCS, FCD, E2, E2A, MTPS, MTPD
Replace wwww letter by type of adapters : MUL (beige for multimode) or MONO (blue for UPC and green for APC, singlemode)
type of fiber inside the cassette : OM1, OM2, OM3, OM4, OS2, 7A2 (G657 A2)

INDOOR MICRO-CORE PRETERMINATED MTP® LINK



MTPTRUNK123OM3



BENEFITS

- Preterminated indoor FO link with polyamide pulling protection
- Micro break-out Ø 250 µm with aramid yarn & Ø 3.0 mm (12fo) LSZH
- Indoor compact use in protected uncoiling narrow environment
- Available in 12 or 24 cores, customised lenghts on request
- Simple jacket < 10 m, Double LSZH jacket >10 m, for internal use

APPLICATIONS

- SAN (Storage Area Network)
- MAN (Metropolitan Area Network)
- ENVIRONMENT : indoor inter-connect using MTP® connectivity
- PULLING CONDITIONS : Easy pulling & Uncoiling
- LINK TYPES : between 2 cabinets with the best mechanical protection

STANDARDS

- IEC 60793-2-10 : A1b (OM1), A1a 1(OM2), A1a 2(OM3), A1a 3(OM4)
- IEC 60793-2-50 : B1.3 (OS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA 568-C.3
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (Reduced), GR-409-CORE

CHARACTERISTICS

CONNECTOR TYPES POLISHING QUALITY	MTP male or female, Standard or Elite Multimode : UPC Singlemode : APC Elite
MATERIAL OF CONNECTOR COLOR OF MTP HOUSING	Polyetherimide body Multimode : black Singlemode : black / yellow Push-Pull tab available as an option
CONSTRUCTION	Aramid or corrugated steel for optimum strength

PROPERTIES

MECHANICAL	Mating cycles	> 500 (IEC 613000-2-2)
	Tensile load Crush resistance Bending radius	150N - 300N - 400N - 800N 500-1000-5000N / 100 mm ≥ 30-45 mm
OPTICAL	Return Loss	Tested with OTDR (>100 m)
	Insertion Loss	Tested on OTDR (>100 m) Tested on dB meter (<100 m)
ENVIRONMENTAL	Temperature range	TRUNK : -5°C to +70°C RUG/C : -20°C to +60°C
	Fire rating	IEC 60332-1, IEC 60332-3

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
MTP TRUNK xx zzz yyy	Indoor micro-core single jacket perterminated MTP fiber link LSZH < 10 m	Unit
MTP RUG xx zzz yyy	Indoor micro-core double jacket perterminated MTP fiber link LSZH > 10 m	Unit
MTP C xx zzz yyy	Indoor micro-core corrugated steel double jacket perterminated MTP fiber link LSZH > 10 m	Unit

Replace xx letter by the fiber numbers : 12 / 24 fibers
Replace zzz letter by the length in meters : from 1 up to 10 meters (TRUNK), more than 10m to the limit of the norm for (RUG, C)
Replace yyy letter by type of fiber : OM1, OM2, OM3, OM4, OS2 (G652D) 7A2 (G657 A2), 7B3 (G657 B3)

INDOOR MICRO-CORE PRETERMINATED MTP® FAN OUT





BENEFITS

- Preterminated indoor FO link with MTP / LC or SC or ST or MU
- Micro break-out Ø 250 µm with aramid yarn & Ø 3.0 mm (12fo) LSZH
- Indoor compact use in protected uncoiling narrow environement
- Available in 12 or 24 cores, customised lenghts on request
- Simple jacket < 10 m, Double LSZH jacket >10 m, for internal use

APPLICATIONS

- SAN (Storage Area Network)
- MAN (Metropolitan Area Network)
- ENVIRONMENT : indoor inter-connect using MTP® connectivity
- PULLING CONDITIONS : Easy pulling & Uncoiling
- LINK TYPES : between 2 cabinets with the best mechanical protection

STANDARDS

- IEC 60793-2-10 : A1b (OM1), A1a 1(OM2), A1a 2(OM3), A1a 3(OM4)
- IEC 60793-2-50 : B1.3 (OS2>, G652 D), B6 a (G657A)
- OPTICAL SYSTEM : ISO 11801 ED2.2
  EIA/TIA 568-C.3
  EN 50173-1: 2002
- COMPATIBILITY : IEC 60874-14, IEC 61754-20, FOCIS-10
- CECC BFOC 86260, Bellcore/Telcordia GR-326 (Reduced), GR-409-CORE

CHARACTERISTICS

CONNECTOR TYPES POLISHING QUALITY	MTP male or female, Standard or Elite Multimode : UPC Singlemode : APC Elite
FEATURES	Multicore patchcord, 1 side is MTP, the other side is SC, LC, (others on request)
CONSTRUCTION	Aramid or corrugated steel for optimum strength

PROPERTIES

MECHANICAL	Mating cycles Tensile load Crush resistance Bending radius	> 500 (IEC 613000-2-2) 400N - 800N 1000-5000N / 100 mm ≥ 30-45 mm
OPTICAL	Return Loss	Tested with OTDR (>100 m)
	Insertion Loss	Tested on OTDR (>100 m) Tested on dB meter (<100 m)
ENVIRONMENTAL	Temperature range Fire rating	-20°C to +60°C IEC 60332-1, IEC 60332-3

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
MTP FAN xx zzz yyy aaa	Indoor micro-core single jacket perterminated MTP fiber link LSZH < 10 m	Unit
MTP FAN C xx zzz yyy	Indoor micro-core corrugated steel double jacket perterminated MTP fiber link LSZH > 10 m	Unit

Replace xx letter by the fiber numbers : 12 / 24 fibers
Replace zzz letter by the length in meters : from 1 up to 10 m (MTP FAN), more than 10 m to the limit of the norm for (MTP FAN C)
Replace yyy letter by type of fiber : OM1, OM2, OM3, OM4, OS2 (G652D) 7A2 (G657 A2), 7B3 (G657 B3)
Replace aaa letter by the connectors : UPC : SC, LC - APC : SCA & LCA

RACK SYSTEMS

CABINET

SERVER RANGE CABINETS

Server range cabinet 150

TECHNIC RANGE CABINET

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SERVER RANGE CABINET



S42810



BENEFITS

- Aluminium welded thriedal angle and reinforced bar for a loading capacity up to 1000 Kg
- 12U additionaly available in vertical way
- 180° opening doors to a better accesibility on the cabinet
- Large aperture on the roof equipped with a panel brush
- Elegant design

CHARACTERISTICS

SKELETON	Reinforced 2 mm steel structure Aluminium diecast tryedre
MOUNTING	Front & rear 19" mounting equipped with 3 vertical U
FRONT DOOR	80% perforated double door (width 800) 80% perforated single door (width 600)
BACK DOOR	80% perforated double door (width 800) 80% perforated single door (width 600)
ROOF	Simple roof with perforation for natural ventilation
CABLE MANAGEMENT	Large cable entry equipped with brush panel for *Top of server* configuration
COATING	Black RAL 9005 Epoxy painting

PROPERTIES

MECHANICAL	Protection index (IP)	IP20
	Mechanical index (IK)	IK10 compliant to EN62262
ENVIRONMENTAL	Operating temperature	-10°C to +50°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
S42610	19" mounting cabinet 42U 600 x 1000 SERVER range	Unit
S42810	19" mounting cabinet 42U 800 x 1000 SERVER range	Unit
S42812	19" mounting cabinet 42U 800 x 1200 SERVER range	Unit
S47810	19" mounting cabinet 47U 800 x 1000 SERVER range	Unit
S47812	19" mounting cabinet 47U 800 x 1200 SERVER range	Unit





STANDARD PART NUMBER			SPECIAL REQUEST		
CABINET	U	WIDTH / DEPTH	FRONT DOOR	REAR DOOR	SIDE PANEL
X	XX	XXX	FZ	RZ	SPZ
S *(SERVER)*	42	610 *(600 x 1000)*	F0 *(Without front door)*	R0 *(Without rear door)*	SP0 *(Without side panel)*
	47	810 *(800 x 1000)*			
		812 *(800 x 1200)*			

TECHNIC RANGE CABINET



T4288





BENEFITS

- Aluminium welded thriedal angle and reinforced bar for a loading capacity up to 800 Kg
- 12U additionaly available in vertical way
- 180° opening doors to a better accesibility on the cabinet
- Large aperture up to 550 mm on the roof equipped with a panel brush
- Vertical cable management for patch cords
- Elegant design
- Available in flat pack mode 70% pre assembled

CHARACTERISTICS

SKELETON	Reinforced 2 mm steel structure Aluminium diecast tryedre
MOUNTING	Front & rear 19" mounting equipped with 3 vertical U
FRONT DOOR	Secured and tempered glassed double door (width 800) Secured and tempered glassed single door (width 600)
BACK DOOR	Full metal double door
ROOF	Double roof extra slim equipped with large aperture
CABLE MANAGEMENT	Vertical cable management
COATING	Anthracite grey RAL 7016 Epoxy painting

PROPERTIES

MECHANICAL	Protection index (IP)	IP20
	Mechanical index (IK)	IK09 compliant to EN62262
ENVIRONMENTAL	Operating temperature	-5°C to +50°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
T2766	19" mounting cabinet 27U 600 x 600 TECHNIC range	Unit
T3366	19" mounting cabinet 33U 600 x 600 TECHNIC range	Unit
T3388	19" mounting cabinet 33U 800 x 800 TECHNIC range	Unit
T4266	19" mounting cabinet 42U 600 x 600 TECHNIC range	Unit
T4268	19" mounting cabinet 42U 600 x 800 TECHNIC range	Unit / flat pack available
T4286	19" mounting cabinet 42U 800 x 600 TECHNIC range	Unit
T4288	19" mounting cabinet 42U 800 x 800 TECHNIC range	Unit / flat pack available
T42810	19" mounting cabinet 42U 800 x 1000 TECHNIC range	Unit
T4788	19" mounting cabinet 47U 800 x 800 TECHNIC range	Unit





STANDARD PART NUMBER			SPECIAL REQUEST		
CABINET	U	WIDTH / DEPTH	FRONT DOOR	REAR DOOR	SIDE PANEL
X	XX	XXX	FYZ	RYZ	SPZ
T *(TECHNIC)*	27	66 *(600 x 600)*	F0 *(Without front door)*	R0 *(Without rear door)*	SP0 *(Without side panel)*
	33	68 *(600 x 800)*	FYG *(Glass front door)*	RYG *(Glass rear door)*	
	42	86 *(800 x 600)*	FYP *(Perforated front door)*	RYP *(Perforated rear door)*	
	47	88 *(800 x 800)*	FYF *(Full front door)*	RYF *(Full rear door)*	
		810 *(800 x 1000)*	F2Z *(Double front door)*	R2Z *(Double rear door)*	

CLASSIC RANGE CABINET



C4288





BENEFITS

- Aluminium welded thriedal angle
- Loading capacity up to 500 Kg
- 180° opening doors to a better accesibility on the cabinet
- Available in flat pack mode : 70% pre assembled

CHARACTERISTICS

SKELETON	Reinforced 2 mm steel structure Aluminium diecast tryedre
MOUNTING	Front 19" mounting
FRONT DOOR	Secured and tempered single glassed door
BACK DOOR	Full metal door
ROOF	Simple roof with natural perforation and pre cut entry
CABLE MANAGEMENT	Pre cut entry on each side of the roof / base empty
COATING	Anthracite grey RAL 7016 Epoxy painting

PROPERTIES

MECHANICAL	Protection index (IP)	IP20
	Mechanical index (IK)	IK09 compliant to EN62262
ENVIRONMENTAL	Operating temperature	-5°C to +50°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
C2766	19" mounting cabinet 27U 600x600 CLASSIC range	Unit
C4266	19" mounting cabinet 42U 600x600 CLASSIC range	Unit
C4268	19" mounting cabinet 42U 600x800 CLASSIC range	Unit
C4286	19" mounting cabinet 42U 800x600 CLASSIC range	Unit
C4288	19" mounting cabinet 42U 800x800 CLASSIC range	Unit
ACJMAR27	19" rear mounting 27U for CLASSIC cabinet	2
ACJMAR642	19" rear mounting 42U for CLASSIC cabinet 600 mm width	2
ACJMAR842	19" rear mounting 42U for CLASSIC cabinet 800 mm width	2





STANDARD PART NUMBER			SPECIAL REQUEST			
CABINET	U	WIDTH / DEPTH	FRONT DOOR	REAR DOOR	SIDE PANEL	PACKAGING
X	X X	X X	FZ	RZ	SPZ	Y
C *(CLASSIC)*	27	66 *(600 x 600)*	F0 *(Without front door)*	R0 *(Without rear door)*	SP0 *(Without side panel)*	X *(Mode flat pack)*
	42	68 *(600 x 800)*				
		86 *(800 x 600)*				
		88 *(800 x 800)*				

CLASSIC RANGE CABINET FLAT PACK MODE



C4288X

BENEFITS

- Flat pack offer 70% pre assembled cabinet
- Thanks to the flat pack mode : Access to the narrow spaces is more easy
- Save storage space
- Easy assembly with only 8 screws
- Fast assembly : less than 12 minutes

CHARACTERISTICS

STRUCTURE	Flat pack mode : width less than 300 mm
ASSEMBLING	8 screws + front and rear door
PACKAGING	Reinforced wood to avoid damage during transport
WEIGHT	C2766 : 83.1 Kg C4266 : 90.6 Kg C4268 : 102.5 Kg C4288 : 117.3 Kg

PROPERTIES

MECHANICAL	Protection index (IP)	IP20
	Mechanical index (IK)	IK09
ENVIRONMENTAL	Operating temperature	-5°C to +50°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
C2766X	19" mounting cabinet 27U 600 x 600 CLASSIC range flat pack mode	Flat pack
C4266X	19" mounting cabinet 42U 600 x 600 CLASSIC range flat pack mode	Flat pack
C4268X	19" mounting cabinet 42U 600 x 800 CLASSIC range flat pack mode	Flat pack
C4286X	19" mounting cabinet 42U 800 x 600 CLASSIC range flat pack mode	Flat pack
C4288X	19" mounting cabinet 27U 800 x 800 CLASSIC range flat pack mode	Flat pack
ACJMAR27	19" mounting cabinet 27U for CLASSIC cabinet 600mm width	Flat pack
ACJMAR642	19" mounting cabinet 42U for CLASSIC cabinet 600mm width	Flat pack
ACJMAR842	19" mounting cabinet 42U for CLASSIC cabinet 800mm width	Flat pack

FANS AND THERMOSTAT



ACB4V

BENEFITS

- Block of 2 or 4 fan unit for 19" cabinet
- Can be mounted on Classic/Technic and Server line cabinet
- Allow air extraction in order to keep an optimum temperature inside the cabinet
- A thermostat can be added for these fans

CHARACTERISTICS

DIMENSION	300 x 351 x 42 mm (W x D x H) without support
ASSEMBLY	Assembly on roof by support with 4 screws from inside the cabinet
CAPACITY OF VENTILATION	150m³/h per ventilator
NOISE LEVEL	ACB2V : 43 dB ACB4V : 46 dB
POWER SUPPLY	230V : power cable 2,5 m lenght is provided
THERMOSTAT	can be associated with ACTHERMOST : operating range 0°C to +60°C
MATERIAL	Steel sheet epoxy grey RAL7016

PROPERTIES

ENVIRONMENTAL	Operating temperature	-5°C to +80°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
ACB2V	Block 2 fan unit for 19" cabinet range	Unit
ACB4V	Block 4 fan unit for 19" cabinet range	Unit
ACTHERMOST	Thermostat for ventilators	Unit

CASTOR AND LEVELLING FEET



ACCASTOR



ACLEVFEET10

BENEFITS

- Set of castor to allow displacement of the cabinet : 2 castors are equipped with brakes to ensure a security
- Set of levelling feet in order to enhance the height of the cabinet and offer a perfect stability in case of irregular floor

CHARACTERISTICS

CASTOR	4 castors including 2 castors with brake
HEIGHT OF FEET	Adjustable feet : height 100 mm
LOAD CAPACITY	300 Kg per feet / 50 Kg per castor
COMPATIBILITY	Classic/Technic and Server line

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
ACCASTOR	Castor set for 19" cabinet	4
ACLEVFEET	Set of leveling feet for 19" cabinet	4

PLINTH AND JUNCTION KIT



AC88PLINTH100

BENEFITS

- Plinth for 19" cabinet to allow an 100 mm elevation of the cabinet.
- Available in 600 and 800 width and 600 / 800 and 1000 depth
- Junction kit to allow the junction of two cabinet in case of corridor

CHARACTERISTICS

PACKAGING	Delivered disassembled : 4 angles + 4 panels
DIMENSIONS	600 x 600 / 600 x 800 800 x 600 / 800 x 800 / 800 x 1000
COATING	RAL7016
MATERIAL	Sheet steel 2 mm

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
AC66PLINTH100	Plinth height 100 mm for 600 x 600 cabinet	Unit
AC68PLINTH100	Plinth height 100 mm for 600 x 800 cabinet	Unit
AC86PLINTH100	Plinth height 100 mm for 800 x 600 cabinet	Unit
AC88PLINTH100	Plinth height 100 mm for 800 x 800 cabinet	Unit
AC810PLINTH100	Plinth height 100 mm for 800 x 1000 cabinet	Unit
ACJUNCTION	Baying kit	Unit

SPARE PART



BENEFITS

- Large panel of door and side panel are availables to replace damaged element during transport or manutention :
  front glass door, perforated front/rear door, full door and side panel.

CHARACTERISTICS

DOOR	Front or rear : glassed or full or perforated
SIDE PANEL	Locking system : Classic = 1/4 turn Technic / Server = key

SPARE PART NUMBER

DOOR	TYPE	CABINET LINE	HEIGHT	WIDTH
X	X Y	X	X X	X
F *(Front)*	G *(Glass)*	C *(CLASSIC)*	27 *(27U)*	6 *(600)*
R *(Back)*	P *(Perforated)*	T *(TECHNIC)*	33 *(33U)*	8 *(800)*
	F *(Full)*	S *(SERVER)*	42 *(42U)*	
			47 *(47U)*	

SPARE PART NUMBER

SIDEPANEL	CABINET LINE	HEIGHT	DEPTH
XX	X	X X	X X X
SP *(Side)*	C *(CLASSIC)*	27 *(27U)*	600
	T *(TECHNIC)*	33 *(33U)*	800
	S *(SERVER)*	42 *(42U)*	1000
		47 *(47U)*	*1200*

RACK SYSTEMS

WALL MOUNTED RACKS

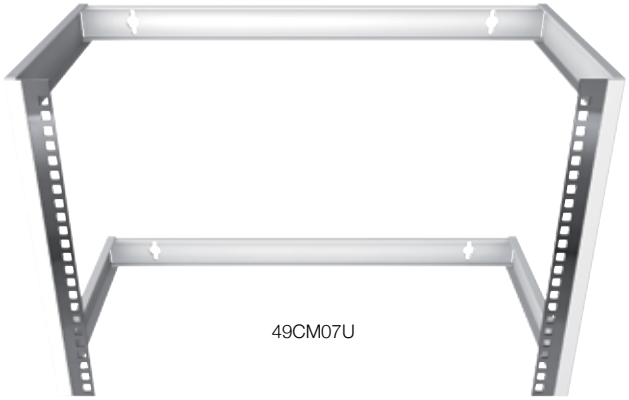
WALL MOUNTED CABINET RANGE

- 19” wall mounted frames 162
- 400 mm wall mounted cabinet 163
- 500 mm 3 sections wall mounted cabinet 164
- 600 mm wall mounted cabinet 165

10” WALL MOUNTED CABINET RANGE

- 10” 6 U mini wall mounted cabinet 166
- 10” panel : copper and fiber optic 167
- 10” accessories 168

19” WALL MOUNTED FRAMES



49CM07U

BENEFITS

- Wall mounted rack to be fixed directly on the wall
- Direct grounding of shielded panel
- 350 mm depth

CHARACTERISTICS

SKELETON	Reinforced 1.5 mm steel structure
MOUNTING	Front 19” mounting (frame)
COATING	Grey RAL 7035

PROPERTIES

MECHANICAL	Protection index (IP)	IP20
ENVIRONMENTAL	Operating temperature	-5°C to +50°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
49CM07U	19” wall mounted frame depth 350 mm - 7U	Unit
49CM10U	19” wall mounted frame depth 350 mm - 10U	Unit
49CM16U	19” wall mounted frame depth 350 mm - 16U	Unit

400MM WALL MOUNTED CABINET



49K07P400

BENEFITS

- Walll frame 19” depth 400 mm available in 7/10/13 and 16U ideal for the building application
- Vertical cable management and adjustable front mounting
- Reversible and securit front door
- Removable side panel

CHARACTERISTICS

SKELETON	Reinforced 1.5 mm steel structure
MOUNTING	Adjustable front 19” mounting
FRONT DOOR	Reversible and securit front door
ROOF	Single roof equipped with pre cut aperture
CABLE MANAGEMENT	Vertical cable management
COATING	RAL 7035 Grey epoxy painting

PROPERTIES

MECHANICAL	Protection index (IP)	IP20
	Mechanical index (IK)	IK09
ENVIRONMENTAL	Operating temperature	-10°C to +50°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
49K07P400	Wall mounted cabinet depth 400 mm - 7U	Unit
49K10P400	Wall mounted cabinet depth 400 mm - 10U	Unit
49K13P400	Wall mounted cabinet depth 400 mm - 13U	Unit
49K16P400	Wall mounted cabinet depth 400 mm - 16U	Unit

500MM 3 SECTIONS WALL MOUNTED CABINET



49K07P5003P

BENEFITS

- Walll frame 3 parts 19" depth 500 mm
- Available in 7/10/13 and 16U for office application
- Adjustable front mounting
- Reversible and securit front door with opening more than 180° for a better access to the panel

CHARACTERISTICS

SKELETON	Reinforced 1.5 mm steel structure
MOUNTING	Front & rear 19" mounting
FRONT DOOR	Securit glass door
BACK DOOR	Intermediary section
ROOF	Open work roof
COATING	Epoxy grey RAL 7035

PROPERTIES

MECHANICAL	Protection index (IP)	IP20
	Mechanical index (IK)	IK09
ENVIRONMENTAL	Operating temperature	-10°C to +50°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
49K07P5003P	Wall mounted cabinet 3 parts depth 500 mm - 7U	Unit
49K10P5003P	Wall mounted cabinet 3 parts depth 500 mm - 10U	Unit
49K13P5003P	Wall mounted cabinet 3 parts depth 500 mm - 13U	Unit
49K16P5003P	Wall mounted cabinet 3 parts depth 500 mm - 16U	Unit

600MM WALL MOUNTED CABINET



49K10P600

BENEFITS

- Walll frame 19" depth 600 mm
- Available in 10/12 and 22U for office application
- Vertical cable management and adjustable front mounting
- Reversible and securit front door with opening more than 180° for a better access to the panel

CHARACTERISTICS

SKELETON	Reinforced 1.5 mm steel structure Aluminium diecast tryedre
MOUNTING	Front & rear 19" mounting
FRONT DOOR	Securit glass door
BACK DOOR	Full panel
ROOF	Openwork roof
CABLE MANAGEMENT	Vertical cable management
COATING	Epoxy grey RAL 7035

PROPERTIES

MECHANICAL	Protection index (IP)	IP20
	Mechanical index (IK)	IK09
ENVIRONMENTAL	Operating temperature	-10°C to +50°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
49K10P600	Wall mounted cabinet depth 600 mm - 10U	Unit
49K16P600	Wall mounted cabinet depth 600 mm - 16U	Unit
49K22P600	Wall mounted cabinet depth 600 mm - 22U	Unit

10" 6U MINI WALL MOUNTED CABINET



DC10COF6U

BENEFITS

- Wall mounted cabinet 10''
- Available in 6U for office or residential application
- Reversible front door with 180° opening for a better access to the panel
- Large range of 10" accessories are available

CHARACTERISTICS

SKELETON	Reinforced 1.5 mm steel structure
MOUNTING	Front 10" mounting
FRONT DOOR	Securit glass door
BACK DOOR	Full panel
ROOF	Aperture for cooling
CABLE MANAGEMENT	Aperture for entry from the top
COATING	Epoxy grey RAL 7035

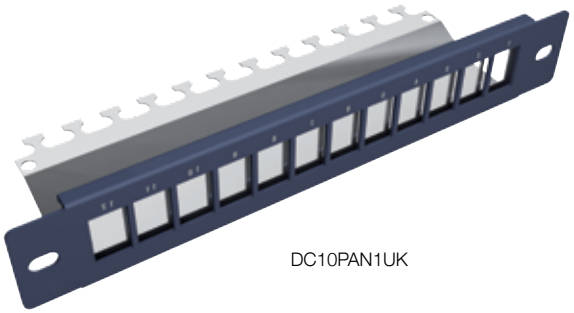
PROPERTIES

MECHANICAL	Protection index (IP)	IP20
	Mechanical index (IK)	IK09
ENVIRONMENTAL	Operating temperature	-10°C to +50°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
DC10COF6U	Wall mounting cabinet 10" depth 300 mm - 6U	Unit
DC10GC1U	10" cable management panel 3 rings	Unit
DC10OBxU	10" blank panel 1U	Unit
DC10PAN1UK	10" unloaded patch panel for 12 RJ45 jacks 1U	Unit
DC10PM1U	10" modem plate 1U	Unit
DC10T1U	10" unloaded drawer to be equipped with 10" modules (fiber optic or telephone)	Unit
DC10T1U12LC	10" module loaded with 12 LC duplex fiber optic adapters	Unit
DC10T1U8SC	10" module loaded with 8 SC duplex fiber optic adapters	Unit
DC104PC	10" power distribution unit U sockets	Unit

10” PANEL : COPPER AND FIBER OPTIC



DC10PAN1UK

BENEFITS

- 10” panel : copper or fiber to equipped a wall mounted cabinet
- 10” copper patch panel : allow the connection of 12 RJ45 modular jack (1U) or 24 RJ45 modular jack (2U)
- 10” fiber optic drawer : drawer unloaded to be equipped with module of 12 LC duplex fiber optic adapters or 8 SC duplex fiber optic adapter
- 10” telephone module

CHARACTERISTICS

DIMENSION	Copper panel : 254 x 44 x 97.5 mm Fiber optic drawer : 254 x 43 x 134 mm
FIXING	One screw on each side
IDENTIFICATION	Port number print on the panel
MATERIAL	steel sheet 15/10 RAL 7016

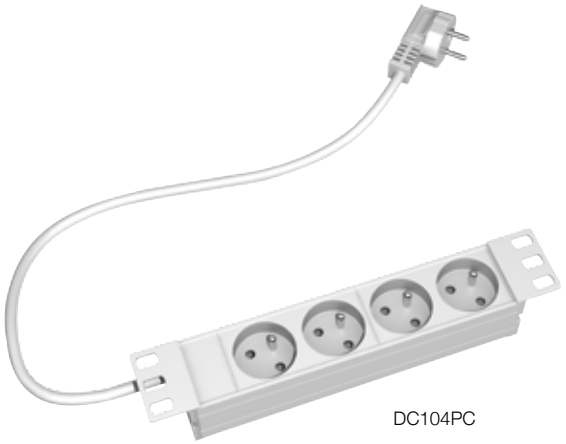
PROPERTIES

ELECTRICAL	Grounding	Copper : direct grounding
ENVIRONMENTAL	Operating temperature	-10°C to +50°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
DC10PAN1UK	10” patch panel for 12 RJ45 modular jacks (BC or MK series) 1U	Unit
DC10PAN2UK	10” patch panel for 24 RJ45 modular jacks (BC or MK series) 2U	Unit
DC10T1U	10” unloaded drawer to be equipped with fiber optic or telephone module - 1U	Unit
DC10T1U12LC	10” module loaded with 12 LC duplex fiber optic adapters - 1U	Unit
DC10T1U8SC	10” module loaded with 8 SC duplex fiber optic adapters - 1U	Unit
DC10T1UTELE	10” module loaded with two telephone distribution units (MULTIMODPABXG)	Unit

10" ACCESSORIES



DC104PC

BENEFITS

- 10" accessories to equipped a wall mounted cabinet to ensure a good management of cables and/or patch cords and to give an excellent aesthetic appearance
- 10" Socket power unit-french style

CHARACTERISTICS

DIMENSION	254 x 44 mm
FIXING	Blank panel: one screw on each side Power unit : two screws on each side
MATERIAL	Blank panel : steel sheet Power unit : aluminium

PROPERTIES

ELECTRICAL	Socket	Power unit : UTE 2 poles + ground 16A 250V
ENVIRONMENTAL	Operating temperature	-10°C to +50°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
DC10GC1U	10" cable management panel with 3 rings	Unit
DC10OB1	10" blank panel 1U	Unit
DC10OB2U	10" blank panel 2U	Unit
DC10OB3U	10" blank panel 3U	Unit
DC104PC	10" 4 sockets power unit - french style	Unit

RACK SYSTEMS

19” PANELS

19” PANELS, SHELVES AND DRAWERS

- Cable management panels 170
- 19” shelves and drawers 171
- Blank panels 172
- Lighting units 173
- Earthing kit 174

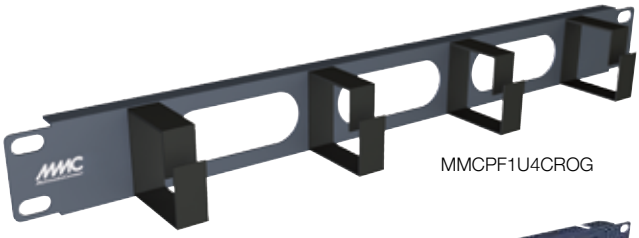
19” POWER DISTRIBUTION UNITS

- French style PDU 175

ACCESSORIES

- Cage nuts 176

CABLE MANAGEMENT PANEL



MMCPF1U4CROG



MMCPFB1UG

BENEFITS

- Panel to ensure a good management of the cabling and an excellent aesthetic appearance
- These accessories allow the respect of the bending radius of the pacth cord and ensure a good performance

CHARACTERISTICS

DIMENSION	482 x 44 mm
FIXING	Two screw on each side
CABLE MANAGEMENT	MMCPF1U4CROG : equipped with 4 rings MMCPFB1UG : equipped with brush
MATERIAL	Steel sheet 15/10
COATING	Epoxy grey RAL7016

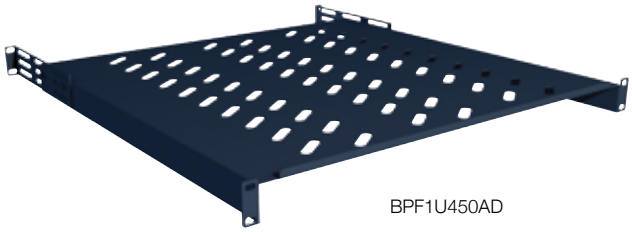
PROPERTIES

ENVIRONMENTAL	Operating temperature	-10°C to +50°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
MMCPF1U4CROG	19” cable management panel equipped with 4 rings - 1U	Unit
MMCPFB1UG	19” cable management panel equipped with brush - 1U	Unit

19" SHELVES AND DRAWERS



BPF1U450AD

BENEFITS

- 19" accessories to support active equipment, server, laptop...
- DIfferent depth are availables to allow a compatibility with all our cabinet range (depth from 600 to 1000 mm)
- Fixed or adjustable shelves are availables

CHARACTERISTICS

DIMENSION	Fixed shelves : 19" x 1U x 250/450/550 or 720 mm Adjustable shelves : 19" x 1U x 350 or 550 mm
FIXING	250mm depth : fixing on front mounting Other depth : fixing on the front and rear mounting Adjustable drawer depth 400 mm
DRAWER	Adjustable drawer depth 400 mm
LOAD CAPACITY SHELVES	49PM1U250G : 25 Kg BPG1UXXX : 35 Kg BPF1UXXX : 35 Kg BSERVPF720G : 100 Kg BT2U400AD : 30 Kg
COATING	Epoxy grey RAL7016

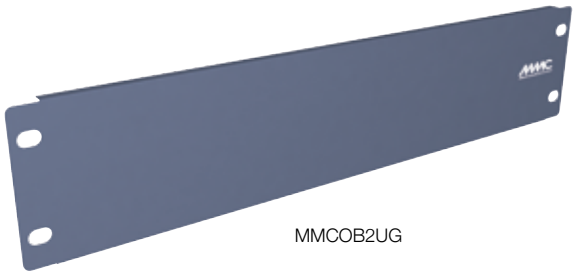
PROPERTIES

ENVIRONMENTAL	Operating temperature	-10°C to +50°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
49PM1U250G	19" fixed plate depth 250 mm - 1U	Unit
BPG1U350	19" sliding plate depth 350 mm - 1U	Unit
BPG1U550	19" sliding plate depth 550 mm - 1U	Unit
BPF1U450	19" fixed plate depth 450 mm - 1U	Unit
BPF1U550	19" fixed plate depth 550 mm - 1U	Unit
BSERPF720G	19" fixed plate for server cabinet depth 720 mm - 1U	Unit
BT2U400AD	19" adjustable drawer for document depth 400 mm - 1U	Unit

BLANK PANEL



MMCOB2UG

BENEFITS

- Blank panel to hide a unused unit on the cabinet and ensure an excellent aesthetic appearance

CHARACTERISTICS

FIXING	Two screw on each side
MATERIAL	Steel sheet 15/10
COATING	Epoxy grey RAL7016

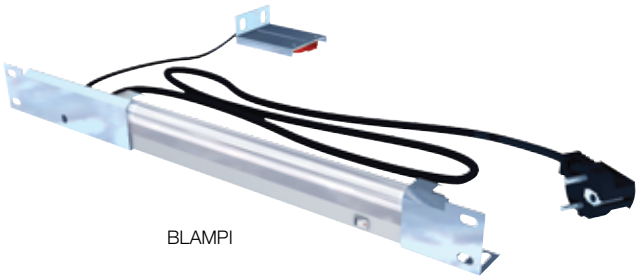
PROPERTIES

ENVIRONMENTAL	Operating temperature	-10°C to +50°C

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
MMCOB1UG	19” blank panel - 1U	Unit
MMCOB2UG	19” blank panel - 2U	Unit
MMCOB3UG	19” blank panel - 3U	Unit
MMCOB5UG	19” blank panel - 5U	Unit

LIGHTING UNITS



BLAMPI

BENEFITS

- Lighting unit for 19” cabinet
- Automatic illumination of the cabinet for better visibility
- Switch is included

CHARACTERISTICS

DIMENSION	482x44 mm
FIXING	Two screw on each side
MATERIAL	Steel sheet 15/10
COATING	Epoxy grey RAL7016

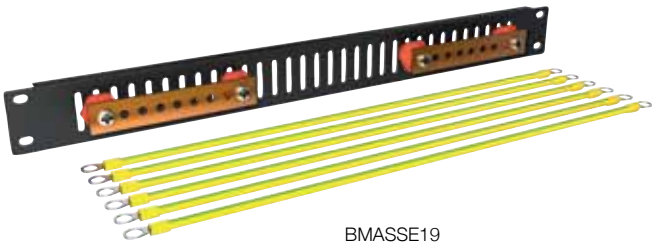
PROPERTIES

ELECTRICAL	Voltage	220V AC

ORDERING INFORMATION

ITEM	DESCRIPTION	PACKAGING
BLAMPI	19” automatic lighting unit	Unit

EARTHING KIT



BMASSE19

BENEFITS

- 19” earthing kit
- Allow the grounding of all patch panel and elements in accordance with EN50174
- Equipped with 6 green/yellow wires 6 mm²

CHARACTERISTICS

DIMENSION	482 mm x 44 mm
FIXING	Two screw on each side
MATERIAL	Steel sheet 15/10
COATING	Epoxy grey RAL7016

PROPERTIES

ELECTRICAL	Grounding system	6 wires 400 mm lenght section 6 mm²

ORDERING INFORMATION

ITEM	DESCRIPTION	PACKAGING
BMASSE19	19” grounding kit	Unit

FRENCH STYLE PDU



49BM8IPM

BENEFITS

- Socket power unit for rack 19”
- French style socket in accordance with NF-C 61-314 and CE standard
- Available with switch or differential switch
- Equipped with power cable 2m lenght section 1.5 mm²

CHARACTERISTICS

DIMENSION	482 x 44 mm x 45 mm
FIXING	Two screw on each side
MATERIAL	Anodic aluminium case or plastic case
COATING	natural color for aluminium case black color for plastic case

PROPERTIES

ELECTRICAL	Power supply	250V - 16A

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
49BM7PM	19” power distribution unit 7 sockets aluminium case - french standard	Unit
49BM8PM	19” power distribution unit 8 sockets aluminium case - french standard	Unit
49BM6IPM	19” power distribution unit 6 sockets aluminium case with swicth - french standard	Unit
49BM8IPM	19” power distribution unit 8 sockets aluminium case with swicth - french standard	Unit
49BP6	19” power distribution unit 6 sockets plastic case - french standard	Unit
49BP7	19” power distribution unit 7 sockets plastic case - french standard	Unit
49BM6DD	19” power distribution unit 6 sockets aluminium case with differential switch- french standard	Unit

CAGE NUTS



49BV50T

BENEFITS

- Cage nuts and screw to fix all 19" or 10" element on rack
- Screw type M6
- Equipped with black washers

CHARACTERISTICS

DIMENSION SCREW	Type M6 x 14 mm lenght
DIMENSION NUTS	Caged nuts type M6

ORDERING INFORMATION

ITEMS	DESCRIPTION	PACKAGING
49BV10T	Cage nuts and screws	10
49BV50T	Cage nuts and screws	50

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NOTES

LOGO TRANSLATION



Intelligent building solutions



Data center solutions



Harsh envirronment solutions



Outdoor application



Indoor / outdoor application



Indoor application



Water resistance



Rodent resistance



Fire resistant



Fire retardant



Cold resistant



Hot resistant



Tooless



Locking system



IP index



IK index



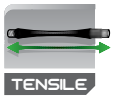
Crush resistant



Low bending resistant



Twist resistant



Tensile resistant



10 gigabit ethernet solutions



Coupling attenuation



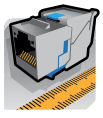
Loose tube



Tight buffered



Loading capacity



Low depth

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