



NETWORK CABLING SOLUTION

PRODUCT CATALOGUE 2018/19



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Twisted pair is a type of wiring in which two conductors are twisted together for the purposes of canceling out electromagnetic interference. One of the most important production process in order to meet the restricted performance required. Twisted-pair cabling was invented by Alexander Graham Bell in 1881.

ABOUT US

Established in 1998, Afson Cable is a leading manufacturer of LAN cable with full manufacturing facilities in Hangzhou, serving customers in Asia, Europe, USA and Africa.

A full range of products is available including CAT5e, CAT6, CAT6A, CAT7 and CAT7A, Ethernet patching cable and Data Centre special cable ideal for computer networks and Data centres.

Our company also designs, develops, manufactures and sells a full range of Coaxial cable for TV, Satellite, Data application, Broadband Communication Networks and special cable for bespoke applications and requests from the market.

In addition Afson Cable has invested in the last 8 years in research and development of Fibre Optic solutions and this catalogue presents our latest contribution to our range including cabinets and racks.

Our company has both volume and fast response manufacturing capabilities making us able to support our customers globally with specific projects and fast service requests.

Afson Cable is specialised especially in designing and developing branded products for OEM customers.

OUR COMPANY

AFSON CABLE & WIRE IS THE SUBSIDIARY COMPANY OF HANGZHOU AFSON ELECTRONICS CO. LTD. FOUNDED IN 1998, WE ARE NOW LEADERS IN THE FIELD OF COAXIAL AND LAN CABLES.

STRATEGY

We provide a wide variety of specific products for TVs, satellites and broadband communication networks. Since our company started producing high quality cables, it never stopped improving its activity.

Our facilities are in Hangzhou, but our customers are all over the world: Asia, Europe, USA and Africa. In the last 8 years we have also invested in Fibre Optic solutions providing a complete package for a variety of applications.

HIGH TECH CABLES

We specialise in producing high tech cables used in the networking infrastructure. Our daily objective is to provide the best service tailored to the needs of our customers from every corner of the world with fast service response to a variety of requests.

Our main products are LAN cables, patch cords and coaxial cables. We can supply Cat.5e, Cat.6, Cat.6A, Cat.7 and Cat.7A, Ethernet Patching Cables, Data Centre among the products on offer.

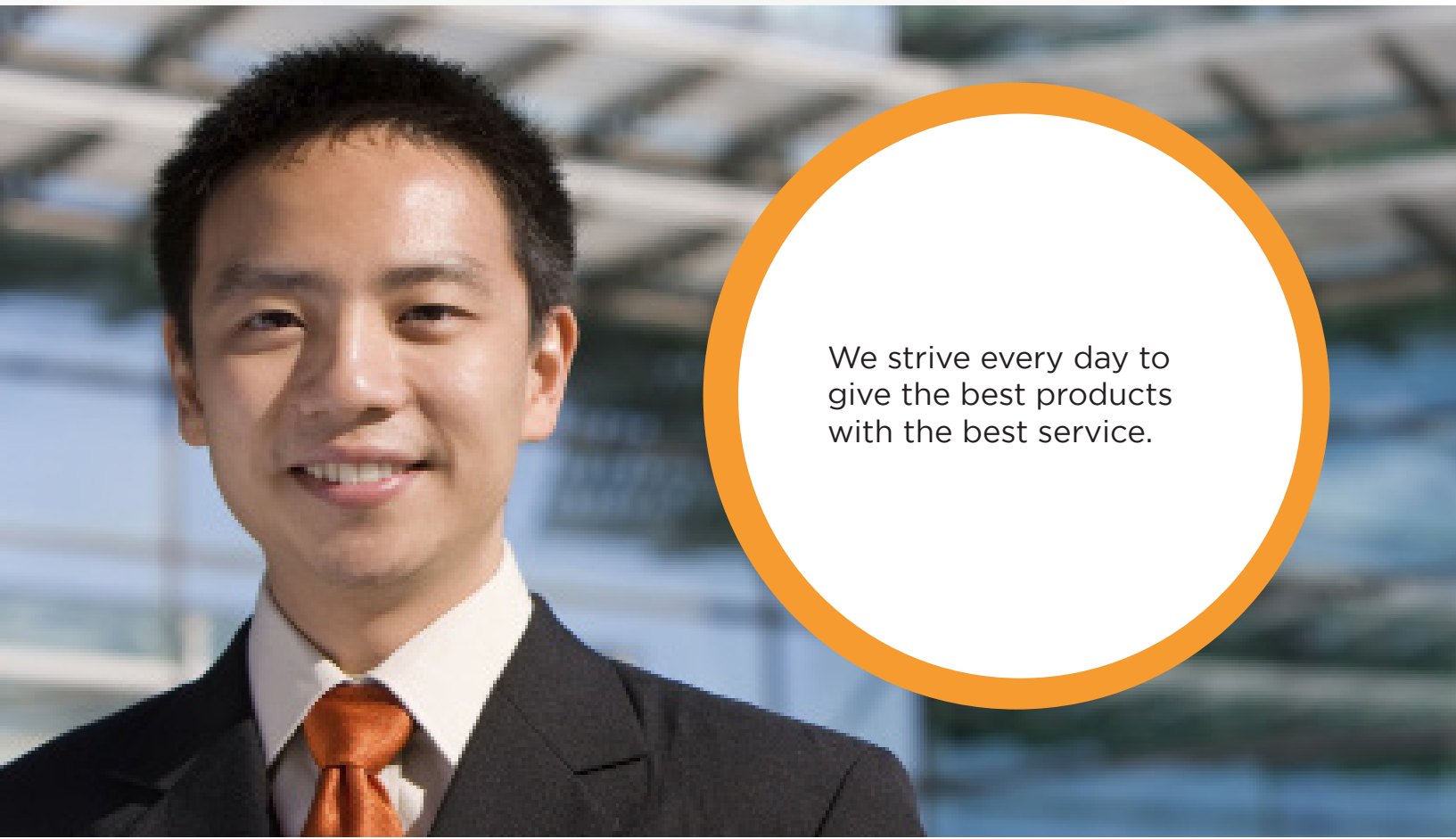
SPECIAL CABLE

We are also professional in designing and developing branded products for OEM customers. Our big efforts are rewarded by the satisfaction of our customers, giving us a good reputation. We are known for two main qualities: stable, reliable products and reasonable prices. We take care of all the manufacturing process, from the first steps to the final user. Our aim is to provide excellent customer service.

WE TAKE CARE OF ALL THE MANUFACTURING PROCESS

AFSON has become a high quality company because of its great team of designers, engineers, manufacturers and sellers. Every member of the company has a long time experience in the field of cables for the telecommunications market.

We take care of all the manufacturing process, from the first steps to the final user: we pay a lot of attention in customer caring too.



We strive every day to
give the best products
with the best service.

OUR VISION

We strive to develop and improve on current technologies, as we strongly believe that our cables create real connection between people.

We want our cables to be little perfect pieces of a bigger picture, connecting people for a better tomorrow. We believe in design and sustainable technology.

This attitude makes us proud of our company.

Our company can really make the difference: such a small object as a cable plays a key role in the network communication system.

Our objective is to develop and produce each components which together, harmoniously, make up a perfect solution.

We believe in design and technology that enhances human interaction



Several standard types of copper patch cord require several types of special cables and features, in order to meet the application requests, armoured, mini, flexy, among others.

OUR TEST

TESTS MEASUREMENTS AT THE END OF EACH PRODUCTION LINE ARE CRUCIAL IN ORDER TO GUARANTEE THE QUALITY AND THE PERFORMANCE IN ACCORDANCE TO THE NATIONAL AND INTERNATIONAL PARAMETERS.

TYPE TEST:

This type of test is conducted at the beginning of the production with the purpose to check and confirm the design specifications.

All other test such as aging , stress, torsion , crush, water penetration, tensile performance and bending test are performed on each unit after production.

ROUTINE TEST:

This is a test which is conducted after each single production has the purpose to check and confirm the proper manufacturing of each and every unit. This is an essential test to be performed before dispatching the products on to the market.

ELECTRICAL TEST:

This test measures the following: Resistance, impedance, capacitance, attenuation, velocity of propagation, in addition we also perform a transmission test which measures delay skew, return loss, cross talk, ACR (Attenuation to Crosstalk Ratio)



MENU PRODUCTS

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In addition to the production and supply of standard cables from CAT5 to CAT7, Afson Cable and Wire can produce and design cables with special features such as hybrid cables for example coax and LAN or fibre optic and LAN, special type of jackets for critical environment and a full range of multi pairs LAN cable for each categories.

All our products come with a full test certificate and the packaging can be tailored to the customer's requests.

LAN CABLE

THE INDISPUTABLE SOUL OF EACH CABLING STRUCTURED SYSTEM, IS THE CABLE.

Into each regulation scenario (harmonization rules) we can find different types of cable in order to satisfy different types of performances and environment conditions. Afson cable & wire provides a full range of OEM LAN cable from cat5e to cat7.

Available Shielded and Unshielded; for indoor (LSZH, PVC version) and outdoor use (HDPE or PVC version); Standard and Mini outer diameter.

Our cable from cat5e to cat7 are used from residential and commercial building to high performance Data Centre, where is required high density solutions and augmented data range. Our cable can meet UL specifications and the new CPR (construction product rules) specifications

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PATCH CORD SIMPLEX



GENERAL

Our Supreme line differs from our standard line in the properties of the fibre used. This type of fibre is a Corning fibre with a Kevlar as a strengthening member. We produce a vast range of simplex fibre optic patch cords in **OS1/2 9/125 -OM1 62.5/125-OM2 50/125-OM3 50/125** and **OM4 50/125** with a Fast Line facility for quick delivery. Various lengths and connector types are available to meet individual requirements.



FEATURES

- SC, LC and ST connectors as standard. Other connectors available.
- UPC polished connectors.
- APC polished available for singlemode.
- 2mm 900mm LSZH (low smoke zero halogen) tight buffer cable as standard, 3mm available on request. Corning fibre - Kevlar strengthening member.
- Armoured also available.
- Short boot also available.
- Each patch cord is tested and supplied with a full test certificate.

Standard colours:

- OS2 yellow
- OM1 and OM2 orange
- OM3 Aqua - OM4 Erika Violet or Aqua or request
- Other colours available upon request.



STANDARD

- Our fibre conforms to or exceeds all relevant ISO/IEC, TIA/EIA and ITU standards.



PACKAGING

- Sealed plastic bag with individual test certificate as standard.
- Zip lock bags and blister packaging also available.





PART NUMBER GENERATOR

Connector A	Connector B	Type of fibre	Simplex SX	Length
SC	SC	OM1	SX	0.5
SCA	SCA	OM2	SX	1
LC	LC	OM3	SX	2
LCA	LCA	OM4	SX	3
ST	ST	OS2	SX	5
FC	FC	-	SX	10
FCA	FCA	-	SX	15
E2	E2	-	SX	20
E2A	E2A	-	SX	30
MU	MU	-	-	-

Example part number

SC	SC	OS2	SX	5
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Description :

Patch cord simplex supreme line 2mm cable SC-SC single mode (SM) yellow 5 metres length.



PATCH CORD DUPLEX



GENERAL

Our Supreme line differs from our standard line in the properties of the fibre used. This type of fibre is a Corning fibre with a Kevlar as a strengthening member. We produce a vast range of duplex fibre optic patch cords in OS1/2 9/125 -OM1 62.5/125-OM2 50/125-OM3 50/125 and OM4 50/125 with a Fast Line facility for quick delivery.

Various lengths and connector types are available to meet individual requirements.



FEATURES

- SC, LC and ST connectors as standard. Other connectors available.
- UPC polished connectors.
- APC polished available for singlemode.
- 2mm LSZH (low smoke zero halogen) tight buffer cable as standard, 3mm available on request.
- Corning fibre – Kevlar strengthening member.
- Armoured also available.
- Short boot also available.
- Each patch cord is tested and supplied with a full test certificate.

Standard colours:

- OS2 yellow
- OM1 and OM2 orange
- OM3 Aqua - OM4 Erika Violet or Aqua or request
- Other colours available upon request.



STANDARD

- Our fibre conforms to or exceeds all relevant ISO/IEC, TIA/EIA and ITU standards.



PACKAGING

- Sealed plastic bag with individual test certificate as standard.
- Zip lock bags and blister packaging also available.





PART NUMBER GENERATOR

Connector A	Connector B	Fibre type	Fibre configuration	Length
SC	SC	OM1	DX	0.5
SCA	SCA	OM2	DX	1
LC	LC	OM3	DX	2
LCA	LCA	OM4	DX	3
ST	ST	OS2	DX	5
FC	FC	-	DX	10
FCA	FCA	-	DX	15
E2	E2	-	DX	20
E2A	E2A	-	DX	30
MU	MU	-	-	-

Example part number

SC	SC	OS2	DX	5
----	----	-----	----	---

Description :

Patch cord duplex supreme line 2mm cable SC-SC single mode (SM) yellow 5 metres length.

PIGTAIL TIGHT BUFFER *Singlemode*



GENERAL

Our supreme line range of single mode pigtails are suitable for telecom, datacom, data centre and some critical applications. The pigtails are manufactured with 900mm buffered fibre easily handled in fibre management application such as panels, splice cassettes and wall boxes.

Only physical contact and angled physical contact zirconia ferrule connectors are used for precision factory mounting and polishing techniques which helps assure high transmission quality.

Available in SC LC ST FC and E2000



FEATURES

- Exceed IEC performance requirements
- Provided in individual packaging
- Tight buffer low smoke zero halogen (LSZH) material with 900 micron diameter
- REACH & SvHC compliant
- Materials compliant to RoHS2
- Operating temperature -20C to +60C
- Nominal diameter 900 um + - 50 um



SPECIFICATION

- Attenuation dB/km 3.0 at 850 nm/ 0.8 at 1300 nm
- Bandwidth OFL (MHz x km) 200.0 at 850 nm/ 500 at 1300nm



PACKAGING

- Sealed plastic bag with individual test certificate as standard.
- Zip lock bags and blister packaging also available.





P/N	DESCRIPTION
OS2 SIMPLEX SINGLEMODE TIGHT BUFFER	
E2AOS2T1	E2A SUPREME Simplex SM 900um LSZH TB
FCAOS2T1	FCA SUPREME Simplex SM 900um LSZH TB
LCAOS2T1	LCA SUPREME Simplex SM 900um LSZH TB
SCAOS2T1	SCA SUPREME Simplex SM 900um LSZH TB
FCOS2T1	FC SUPREME Simplex SM 900um LSZH TB
LCOS2T1	LC SUPREME Simplex SM 900um LSZH TB
SCOS2T1	SC SUPREME Simplex SM 900um LSZH TB
STOS2T1	ST SUPREME Simplex SM 900um LSZH TB
G657A1-A2 SIMPLEX SINGLEMODE TIGHT BUFFER	
E2ABOS2T1	E2A SUPREME Simplex G.657A2 900um LSZH TB
FCABOS2T1	FCA SUPREME Simplex G.657A2 900um LSZH TB
LCABOS2T1	LCA SUPREME Simplex G.657A2 900um LSZH TB
SCABOS2T1	SCA SUPREME Simplex G.657A2 900um LSZH TB
E2BOS2T1	E2 SUPREME Simplex G.657A2 900um LSZH TB
FCBOS2T1	FC SUPREME Simplex G.657A2 900um LSZH TB
LCBOS2T1	LC SUPREME Simplex G.657A2 900um LSZH TB
SCBOS2T1	SC SUPREME Simplex G.657A2 900um LSZH TB
STBOS2T1	ST SUPREME Simplex G.657A2 900um LSZH TB

PIGTAIL TIGHT BUFFER *Multimode*



GENERAL

Our supreme line range of multimode pigtails are suitable for telecom, datacom, data centre and some critical applications. The pigtails are manufactured with 900mm buffered fibre easily handled in fibre management application such as panels, splice cassettes and wall boxes.

Only physical contact and angled physical contact zirconia ferrule connectors are used for precision factory mounting and polishing techniques which helps assure high transmission quality.

Available in SC LC ST FC and E2000



FEATURES

- Exceed IEC performance requirements
- Provided in individual packaging
- Tight buffer low smoke zero halogen (LSZH) material with 900 micron diameter
- REACH & SvHC compliant
- Materials compliant to RoHS2
- Operating temperature -20C to +60C
- Nominal diameter 900 um + - 50 um



SPECIFICATION

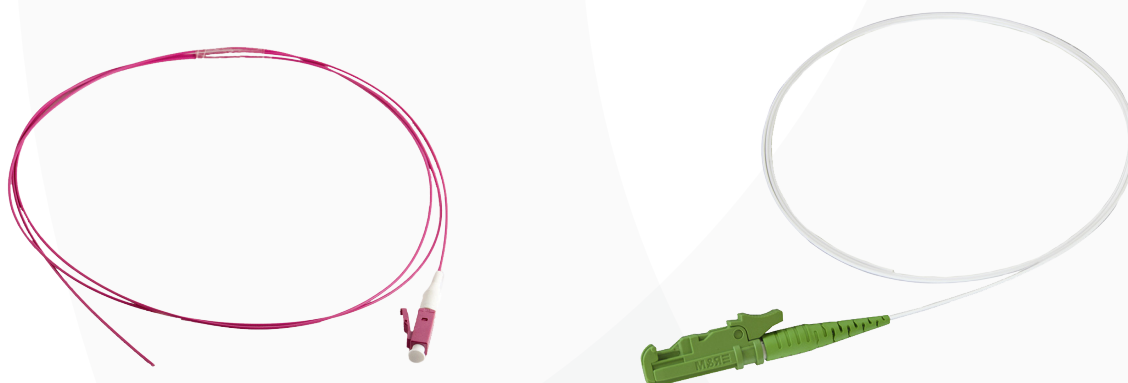
- Attenuation dB/km 3.0 at 850 nm/ 0.8 at 1300 nm
- Bandwidth OFL (MHz x km) 200.0 at 850 nm/ 500 at 1300nm



PACKAGING

- Sealed plastic bag with individual test certificate as standard.
- Zip lock bags and blister packaging also available.





P/N	DESCRIPTION
OM1 SIMPLEX MULTIMODE TIGHT BUFFER	
E2OM1T1	E2 SUPREME Simplex OM1 900um LSZH TB
FCOM1T1	FC SUPREME Simplex OM1 900um LSZH TB
LCOM1T1	LC SUPREME Simplex OM1 900um LSZH TB
SCOM1T1	SC SUPREME Simplex OM1 900um LSZH TB
STOM1T1	ST SUPREME Simplex OM1 900um LSZH TB
OM2 SIMPLEX MULTIMODE TIGHT BUFFER	
E2OM2T1	E2 SUPREME Simplex OM2 900um LSZH TB
FCOM2T1	FC SUPREME Simplex OM2 900um LSZH TB
LCOM2T1	LC SUPREME Simplex OM2 900um LSZH TB
SCOM2T1	SC SUPREME Simplex OM2 900um LSZH TB
STOM2T1	ST SUPREME Simplex OM2 900um LSZH TB
OM3 SIMPLEX MULTIMODE TIGHT BUFFER	
E2OM3T1	E2 SUPREME Simplex OM3 900um LSZH TB
FCOM3T1	FC SUPREME Simplex OM3 900um LSZH TB
LCOM3T1	LC SUPREME Simplex OM3 900um LSZH TB
SCOM3T1	SC SUPREME Simplex OM3 900um LSZH TB
STOM3T1	ST SUPREME Simplex OM3 900um LSZH TB
OM4 SIMPLEX MULTIMODE TIGHT BUFFER	
E2OM4T1	E2 SUPREME Simplex OM4 900um LSZH TB
FCOM4T1	FC SUPREME Simplex OM4 900um LSZH TB
LCOM4T1	LC SUPREME Simplex OM4 900um LSZH TB
SCOM4T1	SC SUPREME Simplex OM4 900um LSZH TB
STOM4T1	ST SUPREME Simplex OM4 900um LSZH TB

PIGTAIL SEMI LOOSE *Singlemode*



GENERAL

Pigtails are used in a wide range of communication networks. Our semi loose buffer Supreme Line pigtail can be used in fusion splicers, but can be easily stripped to longer lengths than tight buffer pigtails.



FEATURES

- Easily stripped 900 Qm buffer can be stripped up to 100 mm
- Singlemode Fibre conforms to ITU-G651.1, TIA/EIA 492AAA
- Suitable for splicing
- SC, LC, ST and FC connectors available
- Low smoke zero halogen (LSZH) secondary buffer
- REACH, RoHS & SvHC materials compliant
- Telecom and datacom application
- Suitable for Patch panels, wall boxes, ODFs and splice cassettes
- Easy to strip for on site installation
- ATM, SONET and WDM



SPECIFICATION

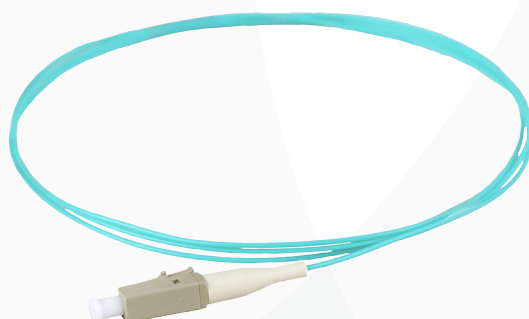
- Attenuation dB/km 3.0 at 850 nm/ 0.8 at 1300 nm
- Bandwidth OFL (MHz x km) 200.0 at 850 nm/ 500 at 1300nm



PACKAGING

- Sealed plastic bag with individual test certificate as standard.
- Zip lock bags and blister packaging also available.





P/N	DESCRIPTION
OS2 SIMPLEX SINGLEMODE SEMI LOOSE	
E2AOS2T1	E2A Simplex SM 900um LSZH Semi Loose
FCAOS2T1	FCA Simplex SM 900um LSZH Semi Loose
LCAOS2T1	LCA Simplex SM 900um LSZH Semi Loose
SCAOS2T1	SCA Simplex SM 900um LSZH Semi Loose
FCOS2T1	FC Simplex SM 900um LSZH Semi Loose
LCOS2T1	LC Simplex SM 900um LSZH Semi Loose
SCOS2T1	SC Simplex SM 900um LSZH Semi Loose
STOS2T1	ST Simplex SM 900um LSZH Semi Loose
G657A1-A2 SIMPLEX SINGLEMODE SEMI LOOSE	
E2ABOS2T1	E2A Simplex G.657A2 900um LSZH Semi Loose
FCABOS2T1	FCA Simplex G.657A2 900um LSZH Semi Loose
LCABOS2T1	LCA Simplex G.657A2 900um LSZH Semi Loose
SCABOS2T1	SCA Simplex G.657A2 900um LSZH Semi Loose
E2BOS2T1	E2 Simplex G.657A2 900um LSZH Semi Loose
FCBOS2T1	FC Simplex G.657A2 900um LSZH Semi Loose
LCBOS2T1	LC Simplex G.657A2 900um LSZH Semi Loose
SCBOS2T1	SC Simplex G.657A2 900um LSZH Semi Loose
STBOS2T1	ST Simplex G.657A2 900um LSZH Semi Loose



PIGTAIL SEMI LOOSE *Multimode*



GENERAL

Pigtails are used in a wide range of communication networks. Our semi loose buffer Supreme Line pigtail can be used in fusion splicers, but can be easily stripped to longer lengths than tight buffer pigtails.



FEATURES

- Easily stripped 900 Qm buffer can be stripped up to 100 mm
- Multimode fibre conforms to ITU-G651.1, TIA/EIA 492AAA
- Suitable for splicing
- SC, LC, ST and FC connectors available
- Low smoke zero halogen (LSZH) secondary buffer
- REACH, RoHS & SvHC materials compliant
- Telecom and datacom application
- Suitable for Patch panels, wall boxes, ODFs and splice cassettes
- Easy to strip for on site installation
- ATM, SONET and WDM



SPECIFICATION

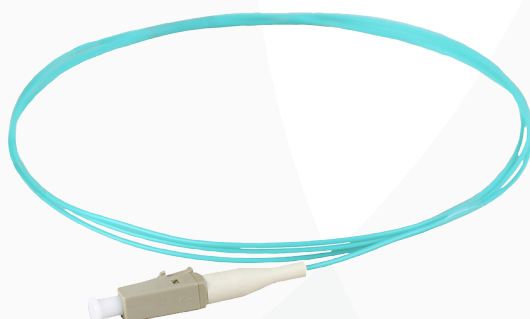
- Attenuation dB/km 3.0 at 850 nm/ 0.8 at 1300 nm
- Bandwidth OFL (MHz x km) 200.0 at 850 nm/ 500 at 1300nm



PACKAGING

- Sealed plastic bag with individual test certificate as standard.
- Zip lock bags and blister packaging also available.





P/N	DESCRIPTION
OM1 SIMPLEX MULTIMODE SEMI LOOSE	
E2OM1T1	E2 Simplex OM1 900um LSZH Semi Loose
FCOM1T1	FC Simplex OM1 900um LSZH Semi Loose
LCOM1T1	LC Simplex OM1 900um LSZH Semi Loose
SCOM1T1	SC Simplex OM1 900um LSZH Semi Loose
STOM1T1	ST Simplex OM1 900um LSZH Semi Loose
OM2 SIMPLEX MULTIMODE SEMI LOOSE	
E2OM2T1	E2 Simplex OM2 900um LSZH Semi Loose
FCOM2T1	FC Simplex OM2 900um LSZH Semi Loose
LCOM2T1	LC Simplex OM2 900um LSZH Semi Loose
SCOM2T1	SC Simplex OM2 900um LSZH Semi Loose
STOM2T1	ST Simplex OM2 900um LSZH Semi Loose
OM3 SIMPLEX MULTIMODE SEMI LOOSE	
E2OM3T1	E2 Simplex OM3 900um LSZH Semi Loose
FCOM3T1	FC Simplex OM3 900um LSZH Semi Loose
LCOM3T1	LC Simplex OM3 900um LSZH Semi Loose
SCOM3T1	SC Simplex OM3 900um LSZH Semi Loose
STOM3T1	ST Simplex OM3 900um LSZH Semi Loose
OM4 SIMPLEX MULTIMODE SEMI LOOSE	
E2OM4T1	E2 Simplex OM4 900um LSZH Semi Loose
FCOM4T1	FC Simplex OM4 900um LSZH Semi Loose
LCOM4T1	LC Simplex OM4 900um LSZH Semi Loose
SCOM4T1	SC Simplex OM4 900um LSZH Semi Loose
STOM4T1	ST Simplex OM4 900um LSZH Semi Loose

PATCH CORD DUPLEX - REVERSIBLE POLES



GENERAL

The advantage of an LC integrated boot reversible polarity connector is that the polarity can be easily changed without any tools. The connectors have colour coded pins to allow easily recognised polarity.



FEATURES

Available in OM3, OM4 and O52and G657 A1 A2 LSZH 2mm Corning fibre Cable – 100% individually tested each patch cord is supplied with full test certificate .

Standard colours:

- OS2 yellow
- OM1 and OM2 orange
- OM3 Aqua - OM4 Erika Violet or Aqua or request
- Other colours available upon request.



SPECIFICATIONS

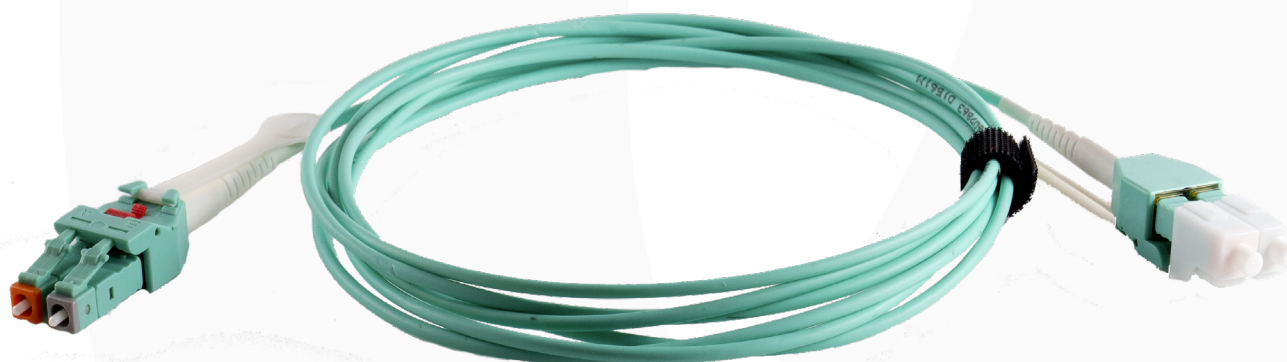
- Excellent solution for a smooth connectivity with guaranteed great performance. Suitable for field installation and high density Data Centres
- Environmentally safe – complies with UL94-V-0, IEC 60332-3, IEC 60754-2, IEC 61034 and RoHS. Benefits: > Allows quick Moves Adds & Change.



PACKAGING

- Sealed plastic bag with individual test certificate as standard.
- Zip lock bags and blister packaging also available.





PART NUMBER GENERATOR

Connector A	Connector B	Stand	G657A2	Type of fibre	Duplex	Length
LC	LC	PO	PB	OM3	DX	0.5
LC	LC	PO	PB	OM4	DX	1
LC	LC	PO	PB	OS2	DX	2
-	-	-	-	-	-	XX

Example part number

LCLCPOS2DX1

LC	LC	PO	OS2	DX	1
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Description :

Supreme OS2 LC - LC Duplex 9/125 2mm LSZH Yellow reversible poles 1mt.

PATCH CORD SIMPLEX *RBS line*



GENERAL

Our RBS line is a range of short boot patch cord ideal for high-density application with limited space requirements. The connector length for example for an LC patch cord from tip to boot is only 40mm instead of the usual 66 mm providing 40% more space. These patch cords are supplied with reduced bend sensitivity fibre, which is an added advantage as it reduces optical power loss when in bending condition.



FEATURES

- Our patch cords are designed to meet IEC, EN or Telcordia GR 326 specifications.
- They are available simplex and duplex in our Supreme line range with Corning Fibre and Kevlar strengthening member.
- Single mode available in G657A1 and G657A2 colour yellow other colours available.
- SC, LC connectors as standard other connectors available upon request.
- 2mm LSZH connectors tight buffer cable as stat.
- 3mm available OM request.

Standard colours:

- OS2 yellow
- OM1 and OM2 orange
- OM3 Aqua - OM4 Erika Violet or Aqua or request
- Other colours available upon request.



SPECIFICATIONS

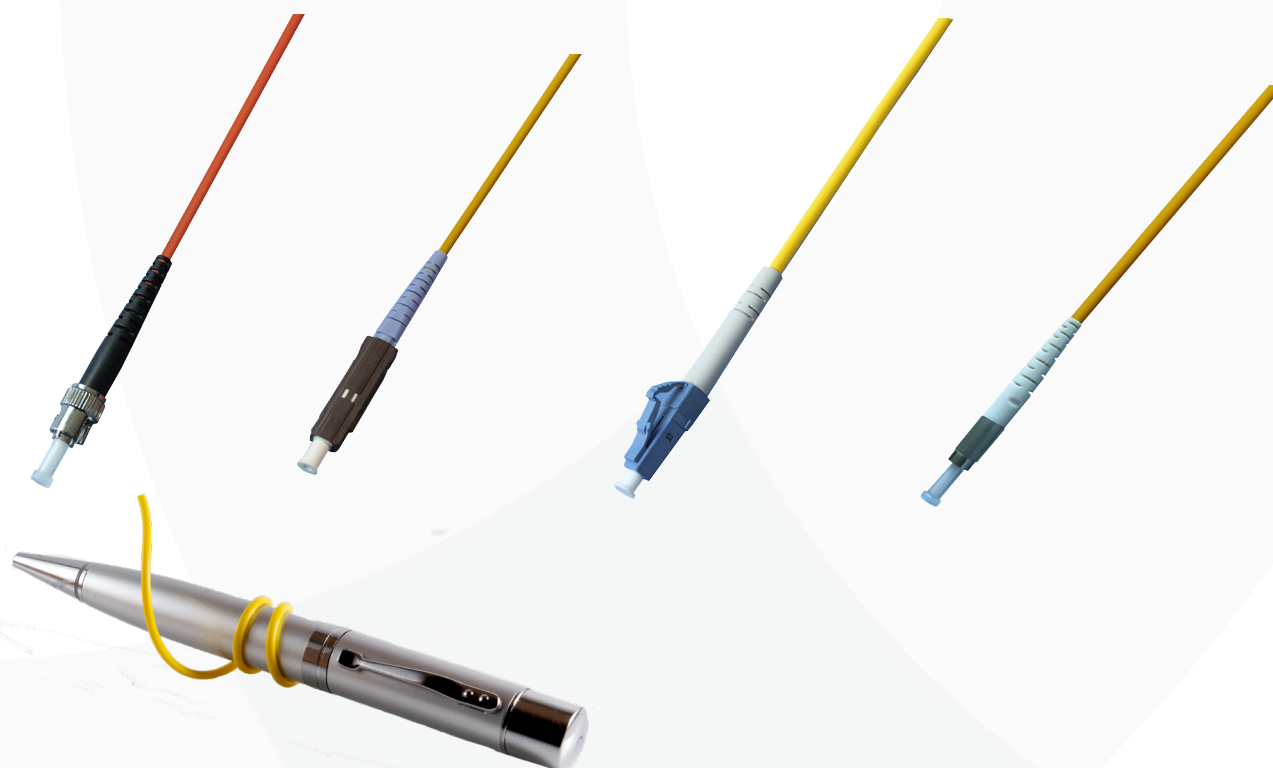
- Cable material LSZH
- Strength member: Kevlar
- Crush resistance (N): 1000
- Operating temperature: -20 to 60 degree centigrade
- Fire specification: IEC 60332-1



PACKAGING

- Sealed plastic bag with full test certificate and serial number enabling identification.
- Zip lock bags and blister packaging also available.





PART NUMBER GENERATOR

Connector A	Connector B	G57.A1	G57.A2	Fibre configuration	Length
SC	SC	A1	A2	SX	0.5
SCA	SCA	A1	A2	SX	1
Connector A	Connector B	UM3	UM4	Fibre configuration	Length
LC	LC	R3	R4	SX	2
LCA	LCA	R3	R4	SX	3
ST	ST	R3	R4	SX	5
FC	FC	R3	R4	SX	10
FCA	FCA	R3	R4	SX	15
E2	E2	R3	R4	SX	20
E2A	E2A	R3	R4	SX	30
MU	MU	R3	R4	SX	-

PATCH CORD DUPLEX *RBS line*



GENERAL

Our RBS line is a range of short boot patch cord ideal for high-density application with limited space requirements. The connector length for example for an LC patch cord from tip to boot is only 40mm instead of the usual 66 mm providing 40% more space. These patch cords are supplied with reduced bend sensitivity fibre, which is an added advantage as it reduces optical power loss when in bending condition.



FEATURES

- Our patch cords are designed to meet IEC, EN or Telcordia GR 326 specifications.
- They are available simplex and duplex in our Supreme line range with Corning Fibre and Kevlar strengthening member.
- Single mode available in G657A1 and G657A2 colour yellow other colours available.
- SC, LC connectors as standard other connectors available upon request.
- 2mm LSZH connectors tight buffer cable as stat.
- 3mm available OM request.

Standard colours:

- OS2 yellow
- OM1 and OM2 orange
- OM3 Aqua - OM4 Erika Violet or Aqua or request
- Other colours available upon request.



SPECIFICATIONS

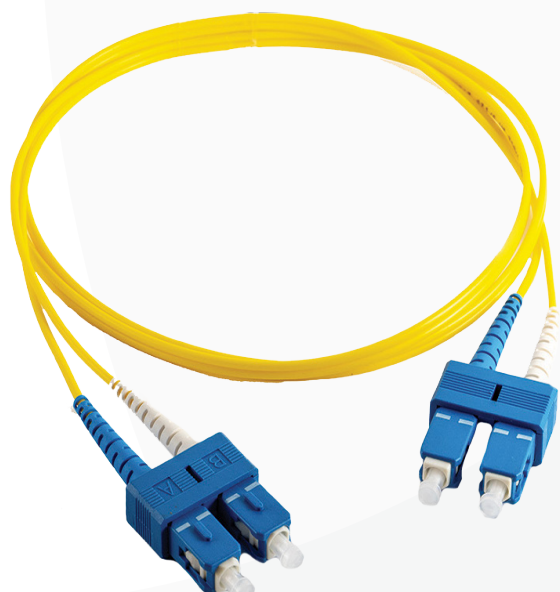
- Cable material LSZH
- Strength member: Kevlar
- Crush resistance (N): 1000
- Operating temperature: -20 to 60 degree centigrade
- Fire specification: IEC 60332-1



PACKAGING

- Sealed plastic bag with full test certificate and serial number enabling identification.
- Zip lock bags and blister packaging also available.





PART NUMBER GENERATOR

Connector A	Connector B	G57.A1	G57.A2	Fibre configuration	Length
SC	SC	A1	A2	SX	0.5
SCA	SCA	A1	A2	SX	1
Connector A	Connector B	UM3	UM4	Fibre configuration	Length
LC	LC	R3	R4	SX	2
LCA	LCA	R3	R4	SX	3
ST	ST	R3	R4	SX	5
FC	FC	R3	R4	SX	10
FCA	FCA	R3	R4	SX	15
E2	E2	R3	R4	SX	20
E2A	E2A	R3	R4	SX	30
MU	MU	R3	R4	SX	-

PATCH CORD SIMPLEX **ARMOURED** line



GENERAL

Our armoured patch cords are ideal for applications in particularly harsh indoor environments. These patch cords can be used to connect active and passive optical equipment. Constructed with stainless steel tape over 900mm tight buffer fibre plus a layer of aramid yarn and stainless steel mesh protected by an outer jacket in LSZH. Available with our range of connectors fully tested and guaranteed to meet international standards.



FEATURES

- SC, LC, ST and FC connectors UPC and APC
- Available in low smoke zero halogen (LSZH) jacket
- Conforms to IEC, EIA-TIA or Telcordia performance requirements
- Available in different fibre types
- Available in standard and custom lengths
- REACH, SvHC and RoHS materials compliant

Standard colours:

- White
- 3mm LSZH standard



APPLICATIONS

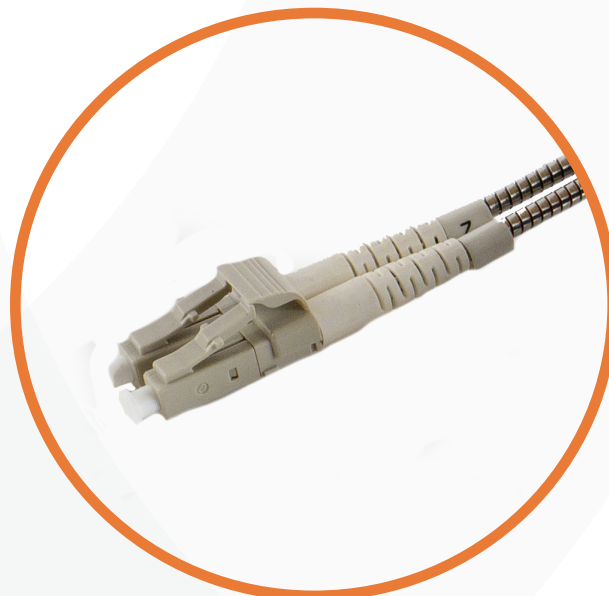
- CATV / VIDEO
- Passive Optical Network PON
- FTTX
- ATM, SONET and WDM
- Military applications
- Specifications
- Fibre specification
- Cable material LSZH
- Strength member ARAMID
- Crush (n) short term 3000
- Crush (n) long term 200
- Operating temperature (°c) -20 to 60
- Fire specification IEC 60332-1 IEC 60332-1



PACKAGING

- Sealed plastic bag with individual test certificate as standard.
- Zip lock bags and blister packaging also available.





PART NUMBER GENERATOR

Standard	Connector A	Connector B	Type of fibre	Simplex SX	Length
R	SC	SC	OM1	SX	0.5
R	SCA	SCA	OM2	SX	1
R	LC	LC	OM3	SX	2
R	LCA	LCA	OM4	SX	3
R	ST	ST	OS2	SX	5
R	FC	FC	-	SX	10
R	FCA	FCA	-	SX	15
R	E2	E2	-	SX	20
R	E2A	E2A	-	SX	30
R	MU	MU	-	SX	-

Example part number

R	SC	SC	OS2	SX	5
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Description :

Patch cord simplex armoured SC-SC single mode (SM) yellow 5 metres length.

PATCH CORD DUPLEX **ARMOURED** line



GENERAL

Our armoured patch cords are ideal for applications in particularly harsh indoor environments. These patch cords can be used to connect active and passive optical equipment. Constructed with stainless steel tape over 900mm tight buffer fibre plus a layer of aramid yarn and stainless steel mesh protected by an outer jacket in LSZH. Available with our range of connectors fully tested and guaranteed to meet international standards.



FEATURES

- SC, LC, ST and FC connectors UPC and APC
- Available in low smoke zero halogen (LSZH) jacket
- Conforms to IEC, EIA-TIA or Telcordia performance requirements
- Available in different fibre types
- Available in standard and custom lengths
- REACH, SvHC and RoHS materials compliant

Standard colours:

- White
- 3mm LSZH standard



APPLICATIONS

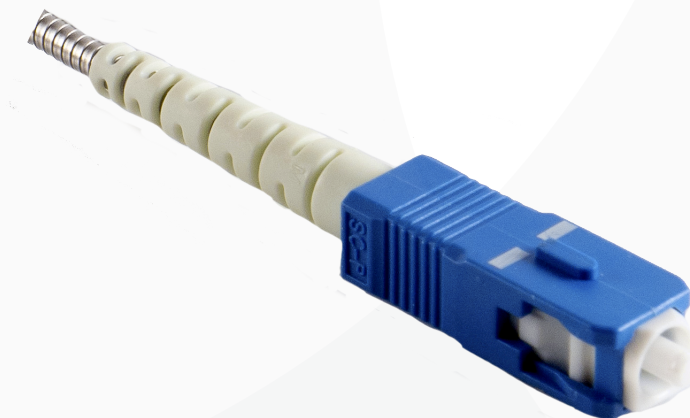
- CATV / VIDEO
- Passive Optical Network PON
- FTTX
- ATM, SONET and WDM
- Military applications
- Specifications
- Fibre specification
- Cable material LSZH
- Strength member ARAMID
- Crush (n) short term 3000
- Crush (n) long term 200
- Operating temperature (°c) -20 to 60
- Fire specification IEC 60332-1 IEC 60332-1



PACKAGING

- Sealed plastic bag with individual test certificate as standard.
- Zip lock bags and blister packaging also available.





PART NUMBER GENERATOR

Standard	Connector A	Connector B	Type of fibre	Simplex DX	Length
R	SC	SC	OM1	DX	0.5
R	SCA	SCA	OM2	DX	1
R	LC	LC	OM3	DX	2
R	LCA	LCA	OM4	DX	3
R	ST	ST	OS2	DX	5
R	FC	FC	-	DX	10
R	FCA	FCA	-	DX	15
R	E2	E2	-	DX	20
R	E2A	E2A	-	DX	30
R	MU	MU	-	DX	-

Example part number

R	SC	SC	OS2	DX	5
---	----	----	-----	----	---

Description :

Patch cord duplex armoured SC-SC single mode (SM) yellow 5 metres length.

CONNECTORS *Singlemode*



GENERAL

Our connectors are suitable for OM1, OM2, OM3, OM4, OS1 and OS2 and G657-A1 and A2 pig tails and patch cords, available in UPC and APC for single mode with a variety of colour and type of boots and cable diameter 900um, 2mm and 3mm for both single and multimode fibre. Manufactured including Standard, Premium Low Loss and High Performance Grades, which are suitable for various applications.



FEATURES

SC CONNECTOR:

- 2.5mm Zirconia Ceramic ferrule
- Push/pull fast connection mechanism
- UPC single mode with blue boots and housing
- APC single mode with green boots and housing - pre angled ferrule for 8 degree polishing
- Multimode with red or black boots and beige housing
- Complies with IEC 61754-4 and TIA 604-3-B, FOCIS-3
- Low insertion loss and back reflection capability
- Zirconia ceramic ferrule available in several performance grades
- RoHS materials, REACH SvHC compliant
- Each connector is packed individually and delivered in bulk package

LC CONNECTOR:

- 1.25mm Zirconia Ceramic ferrule in a small form factor (SFF) fibre optic
- Snag free latch connection housing with an audible click
- UPC single mode with white or blue boots
- APC single mode with green boots
- Multimode with white, red or black boots available
- Complies with IEC 61754-20 and TIA 604-10-B, FOCIS-10 for intermateability
- Low insertion loss and back reflection capability
- Zirconia ceramic ferrule available in several performance grades
- RoHS materials, REACH SvHC compliant
- Each connector is packed individually and delivered in bulk package

ST CONNECTORS

- 2.5 mm ferrule
- Quick release bayonet mechanism for ease of use.
- Low Loss and High Performance Grades suitable for various applications.
- Single mode with yellow boots
- Multimode with black or red boots
- Complies with IEC 61754-2 and TIA 604-2-B, FOCIS-2
- Nickel plated metal body
- Zirconia ceramic ferrule available in several performance grades
- RoHS materials, REACH SvHC compliant
- Each connector is packed individually and delivered in bulk package

FC CONNECTORS

- 2.5 mm ferrule
- Threaded metal coupling nut for a secure connection
- UPC Single mode with blue boots
- APC with green boots
- Multimode with black boots
- Complies with IEC 61754-13 and TIA 604-4-B, FOCIS-4 for intermateability
- Low insertion loss and back reflection capability
- Precision anti rotation key for mechanical stability
- Nickel plated metal body corrosion resistant
- Zirconia ceramic ferrule available in several performance grades
- RoHS materials, REACH SvHC compliant
- Each connector is packed individually and delivered in bulk package





P/N	DESCRIPTION
FC SINGLEMODE	
FC09SX3	FC/PC Singlemode Connector 3mm Blue Boot 126um SIMPLEX
FCA09SX3	FC/APC 8-degree pre-angle Connector Green for 3mm SIMPLEX
FC09SX2	FC/PC Singlemode Connector 2mm Blue Boot 126um SIMPLEX
SC SINGLEMODE	
SC09SX3	SC SM Connector 3mm Blue Boot SIMPLEX
SC09SX2	SC SM Connector 2mm Blue Boot SIMPLEX
SCA09SX3	SC/APC 8-degree pre-angle Connector Green for 3mm Boot SIMPLEX
SC09DX3	SC SM Connector 3mm Blue Boot DUPLEX
SCA09DX3	SC/APC 8-degree Green for 3mm Boot DUPLEX
SC09DXB2	SC SM Connector 2mm Blue Bellcore Boot DUPLEX
ST SINGLEMODE	
ST09SX3	ST SM Connector 3mm Yellow Ribbed Boot SIMPLEX
ST09SX2	ST SM Connector 2mm Yellow Ribbed Boot 126um SIMPLEX
LC SINGLEMODE	
LC09SX2	LC SM Connector 2mm SIMPLEX
LC09SX3	LC SM Connector 126um BLUE BOOT for 3mm SIMPLEX
LCA09SX2	LC/APC SM Connector 2mm Green SIMPLEX
LC09DX2	LC SM Connector 2mm DUPLEX
LC09DX3	LC SM Connector 126um Blue Boots for 3mm DUPLEX
LCA09DX2	LC/APC SM Connector 2mm Green DUPLEX
LCA09DX3	LC/APC SM Connector 3mm Green DUPLEX

CONNECTORS *Multimode*



GENERAL

Our connectors are suitable for OM1, OM2, OM3, OM4, OS1 and OS2 and G657-A1 and A2 pig tails and patch cords, available in UPC and APC for single mode with a variety of colour and type of boots and cable diameter 900um, 2mm and 3mm for both single and multimode fibre. Manufactured including Standard, Premium Low Loss and High Performance Grades, which are suitable for various applications.



FEATURES

SC CONNECTOR:

- 2.5mm Zirconia Ceramic ferrule
- Push/pull fast connection mechanism
- UPC single mode with blue boots and housing
- APC single mode with green boots and housing - pre angled ferrule for 8 degree polishing
- Multimode with red or black boots and beige housing
- Complies with IEC 61754-4 and TIA 604-3-B, FOCIS-3
- Low insertion loss and back reflection capability
- Zirconia ceramic ferrule available in several performance grades
- RoHS materials, REACH SvHC compliant
- Each connector is packed individually and delivered in bulk package

LC CONNECTOR:

- 1.25mm Zirconia Ceramic ferrule in a small form factor (SFF) fibre optic
- Snag free latch connection housing with an audible click
- UPC single mode with white or blue boots
- APC single mode with green boots
- Multimode with white, red or black boots available
- Complies with IEC 61754-20 and TIA 604-10-B, FOCIS-10 for intermateability
- Low insertion loss and back reflection capability
- Zirconia ceramic ferrule available in several performance grades
- RoHS materials, REACH SvHC compliant
- Each connector is packed individually and delivered in bulk package

ST CONNECTORS

- 2.5 mm ferrule
- Quick release bayonet mechanism for ease of use.
- Low Loss and High Performance Grades suitable for various applications.
- Single mode with yellow boots
- Multimode with black or red boots
- Complies with IEC 61754-2 and TIA 604-2-B, FOCIS-2
- Nickel plated metal body
- Zirconia ceramic ferrule available in several performance grades
- RoHS materials, REACH SvHC compliant
- Each connector is packed individually and delivered in bulk package

FC CONNECTORS

- 2.5 mm ferrule
- Threaded metal coupling nut for a secure connection
- UPC Single mode with blue boots
- APC with green boots
- Multimode with black boots
- Complies with IEC 61754-13 and TIA 604-4-B, FOCIS-4 for intermateability
- Low insertion loss and back reflection capability
- Precision anti rotation key for mechanical stability
- Nickel plated metal body corrosion resistant
- Zirconia ceramic ferrule available in several performance grades
- RoHS materials, REACH SvHC compliant
- Each connector is packed individually and delivered in bulk package





P/N	DESCRIPTION
FC MULTIMODE	
FCMMSX3	FC/PC MM Connector 3mm Black Boot Ribbed Bellcore SIMPLEX
FCMMSX3	FC/PC MM Connector 2mm Black Bellcore Boot SIMPLEX
SC MULTIMODE	
SCMMSX3	SC MM Connector 3mm Bellcore Boot - SIMPLEX
SCMMSX9	SC MM Beige Connector 900Qm SIMPLEX
SCMMSX2	SC MM Connector 2mm Bellcore Boot - Colour Beige SIMPLEX
SCMMDX3	SC MM Beige Connector 3mm Bellcore Red Boot & Black Boot DUPLEX
SCMMDX9	SC MM Beige Connector 900Qm DUPLEX
SCMMDX2	SC MM Beige Connector 2mm Boot Bellcore Red Boot & Black Boot incl clips DUPLEX
ST MULTIMODE	
STMMSBX3	ST MM Connector 3mm Black Ribbed Boot SIMPLEX
STMMRBX3	ST MM Connector 3mm Red Ribbed Boot SIMPLEX
STMMSBX2	ST MM Connector 2mm Black Ribbed Boot SIMPLEX
STMMRBX2	ST MM Connector 2mm Red Ribbed Boot SIMPLEX
LC MULTIMODE	
LCMMSX2	LC MM Connector One - Piece type for 2mm cable SIMPLEX
LCMMSXB3	LC MM Connector 3mm Black Boot - 127um SIMPLEX
LCMMSXR3	LC MM Connector 3mm RED Boot - 127um SIMPLEX
LCMMSX9	LC MM 900Qm White Boot SIMPLEX
LCMMDX2	LC MM 2mm cable Beige DUPLEX
LCMMDX3	LC MM Beige Connector 3mm Bellcore Red Boot & Black Boot DUPLEX
LCMMDX9	LC MM 900Qm White Boot DUPLEX



FAST CONNECTORS



GENERAL

Available in LC and SC UPC/APC and ST UPC these field installable connectors offer a fast and reliable connection which can easily be achieved in a very short time as they are already factory polished and require no epoxy or crimping and they are ideal for FTTH application.



FEATURES

- Window feature allows testing with a visual fault locator
- Mechanical splice incorporated
- Available in single mode and multimode
- Excellent optical performance
- Compatible with standard adaptors
- Template for cable and buffer stripping included in the packaging
- Suitable in environments where fusion-splicing termination is not advisable

Standards

- Complies with IEC, EIA/TIA or Telcordia standards
- Conforms to IEC 61300-2-2, 61300 2-4



SPECIFICATIONS

- Insertion Loss $\leq 0.5\text{dB}$ conforms to IEC 61300-2-2
- Insertion Loss typical $\leq 0.3\text{dB}$ conforms to IEC 61300-2-4
- Return Loss 50db/55dB conforms to IEC 61300-2-5
- Available UPC and APC
- FTTH end user termination
- Hazardous environment termination where fusion splicing is prohibited
- Fibre Type Single mode and Multimode
- Insertion Loss (Max)* 0.5dB
- Insertion Loss (Typical)* 0.3dB
- Return Loss (Typical)* 50db/55dB
- Polishing Type UPC and APC



PACKAGING

- Sealed plastic bag with individual test certificate as standard.
- Zip lock bags and blister packaging also available.





P/N	DESCRIPTION
CONNECTORS FAST	
SCA300F	SC-APC-OS1/OS2-3MM-GREEN BODY-FIC
SCA009F	SC-APC-OS1/OS2-900UM-GREEN BODY-FIC
SCP300F	SC-PC-OS1/OS2-3MM-BLUE BODY-FIC
SCP009F	SC-PC-OS1/OS2-900UM-BLUE BODY-FIC
LCA200F	LC-APC-OS1/OS2-2MM-GREEN BODY-FIC
LCA009F	LC-APC-OS1/OS2-900UM-GREEN BODY-FIC
LCP200F	LC-PC-OS1/OS2-2MM-BLUE BODY-FIC
LCP009F	LC-PC-OS1/OS2-900UM-BLUE BODY-FIC
SCP62300F	SC-PC-OM1-3MM-BEIGE BODY-FIC
SCP62009F	SC-PC-OM1-900UM-BEIGE-BODY-FIC
SCP50300F	SC-PC-OM2-3MM-BEIGE-BODY-FIC
SCP50009F	SC-PC-OM2-900UM-BEIGE-BODY-FIC
SCPOM3300F	SC-PC-OM3-3MM-BEIGE BODY-FIC
SCPOM3009F	SC-PC-OM3-0.9MM-BEIGE BODY-FIC
LCP62200F	LC-PC-OM1-2MM-BEIGE-BODY-FIC
LCP62009F	LC-PC-OM1-900UM-BEIGE-BODY-FIC
LCP50200F	LC-PC-OM2-2MM-BEIGE-BODY-FIC
LCP50009F	LC-PC-OM2-900UM-BEIGE-BODY-FIC
LCPOM3200F	LC-PC-OM3-2MM-BEIGE BODY-FIC
LCPOM3009F	LC-PC-OM3-0.9MM-BEIGE BODY-FIC
STP62009F	ST-PC-OM1-900UM-BEIGE-BODY-FIC
STP50009F	ST-PC-OM2-900UM-BEIGE-BODY-FIC
STPOM3009F	ST-PC-OM3-900UM-BEIGE BODY-FIC



GENERAL

Our single mode adaptors are available with a ceramic sleeve which offer a high precision alignment for reliability and optimal connectivity and reconnection.

Types available :

- FC - UPC and APC with a Double D or a Square footprint
- SC - UPC and APC flange or flangeless with metal clips or inbuilt clips, simplex and duplex
- LC - UPC and APC flange or flangeless with metal clips or inbuilt clips, simplex, duplex and quads
- ST available simplex with a Double D footprint.
- R&M and H&S E2000 UPC and APC with simplex SC footprint.



SPECIFICATION

- Mating durability - IEC 61300-2-2
- Insertion loss IEC 61300 - 3-4 <0.1dB
- Operating temperature IEC 61300 -2-22 -25C +70 C



STANDARDS

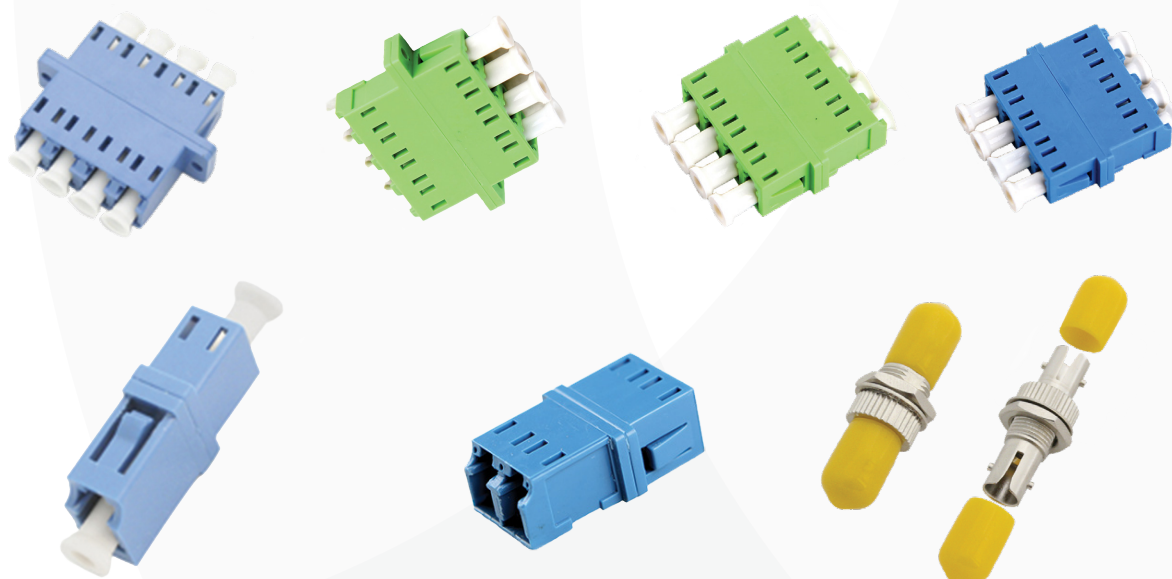
- Complies with IEC 61754-2
- REACH SvHC compliant
- Materials compliant to RoHS2



PACKAGING

- Blister pack 25 adaptors and 50 available.
- Bespoke packaging available on request.





P/N	DESCRIPTION
FC SINGLEMODE	
FCPDD09	Adaptor FC SM Uniter Small 11mm with Double D footprint Ceramic Sleeve - 2.06 KeyWay Clear Dust Caps
FCADD09	Adaptor FC SM APC Uniter Small 11mm with Double D Footprint Ceramic Sleeve - 2.06 KeyWay Green Caps
FCPSQ09	Adaptor FC SMUniter 'Square' Ceramic Sleeve 2.06mm Key-Way Clear Dust Cap
FCASQ09	Adaptor FC SM APC-ZR-Square-STD-Green Cap
SC SINGLEMODE	
SCPSFL09	Adaptor SC SM Blue-ZR-Simplex-Metal Clip-Flange-STD
SCPSWF09	Adaptor SC SM Blue Simplex Uniter Without Flange - Ceramic Sleeve
SCPDFL09	Adaptor SC SM Blue-ZR-DX-Metal Clip-Flange-STD
SCPDWF09	Adaptor SC SM Duplex Uniter Without Flange - Ceramic Sleeve - Blue
SCASFL09	Adaptor SC APC SM Green-ZR-SX-Metal Clip-Flange-STD
SCASWF09	SC/APC Simplex SM Uniter Without Flange - Ceramic Sleeve - GREEN
SCADFL09	Adaptor SC APC SM Green-ZR-DX-Metal Clip-Flange-STD
SCADWF09	SC/APC Duplex SM Uniter - GREEN Without Flange - Ceramic Sleeve
ST SINGLEMODE	
STP09	Adaptor ST SM Yellow Cap-STD
LC SINGLEMODE	
LCPDFL09	Adaptor LC SM DUPLEX Blue-ZR-DX-Metal Clip-Flange-STD
LCPDWF09	Adaptor LC SM UPLEX BLUE S'Mode SC Simplex FootPrint - Without Flange
LCPQFL09	Adaptor LC SM Blue-ZR-QUAD-Metal Clip-Flange-STD
LCAQFL09	Adaptor LC SM QUAD (x4) BLUE (SC Dplx FootPrint) METAL CLIP Without Flange
LCAQFL09	Adaptor LC/APC SM QUAD GREEN (SC Dplx FootPrint) Metal Clip with Flange
LCADFL09	Adaptor LC APC SM Green-ZR-DUPLEX -Metal Clip-Flange-STD
LCADWF09	Adaptor LC APC SM Green-ZR-DUPLEX- Metal Clip-Without Flange
LCPSWF09	Adaptor LC SM Simplex 999-111 - Ceramic Sleeve Without Flange
E2000 SINGLEMODE	
E2PFL09	Adaptor E2000 SM R&M BLUE with 2-Hole Flange R504511 - Simplex SC Foot-Print

ADAPTORS *Multimode*



GENERAL

Our multi mode adaptors are available with a phosphorous bronze sleeve which offer a high precision alignment for reliability and optimal connectivity and reconnection.

Types available :

- FC - UPC and APC with a Double D or a Square footprint
- SC - UPC and APC flange or flangeless with metal clips or inbuilt clips, simplex and duplex
- LC - UPC and APC flange or flangeless with metal clips or inbuilt clips, simplex, duplex and quads
- ST available simplex with a Double D footprint.
- R&M and H&S E2000 UPC and APC with simplex SC footprint.



SPECIFICATION

- Mating durability - IEC 61300-2-2
- Insertion loss IEC 61300 - 3-4 <0.1dB
- Operating temperature IEC 61300 -2-22 -25C +70 C



STANDARDS

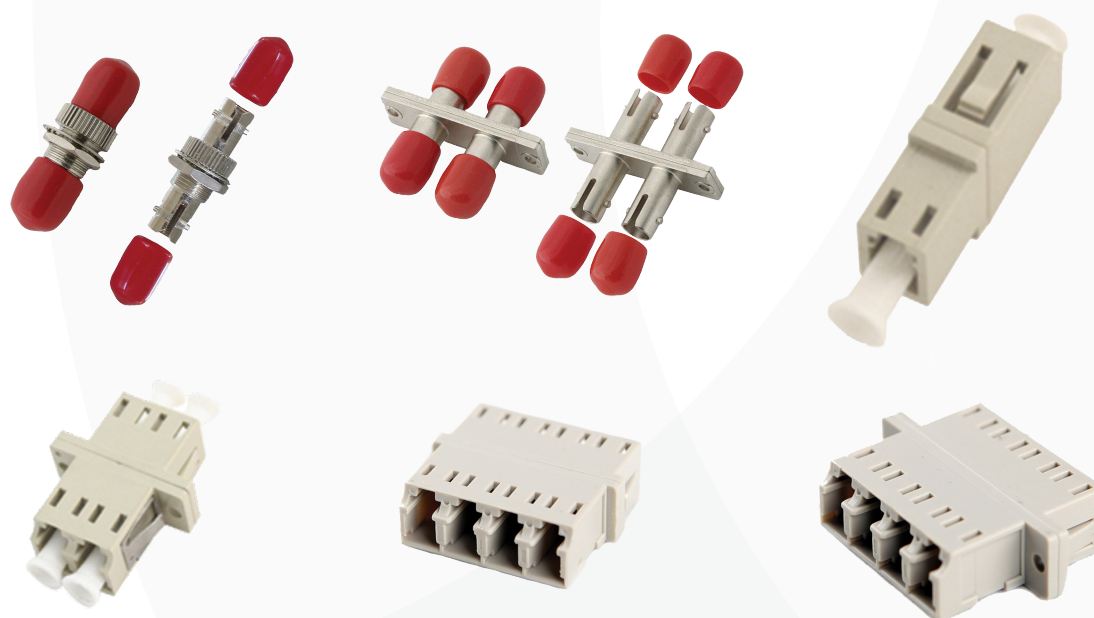
- Complies with IEC 61754-2
- REACH SvHC compliant
- Materials compliant to RoHS2



PACKAGING

- Blister pack 25 adaptors and 50 available.
- Bespoke packaging available on request.





P/N	DESCRIPTION
FC MULTIMODE	
FCPKMM	Adaptor FC MM 'Square' Phosphor Bronze Sleeve 2.2mm Key-Way
FCPDMM	Adaptor FC MM Uniter Small 11mm with Double D Footprint - Phosphor Bronze - 2.06 KeyWay White Dust Caps
SC MULTIMODE	
SCPSFLMM	Adaptor SC MM Simplex Beige-PB-SX-Metal Clip-Flange-STD-Tray
SCPSWFMM	Adaptor SC MM Simplex Uniter Without Flange - Phosphor Bronze - BEIGE
SCPDFLMM	Adaptor SC MM Duplex Beige-PB-DX-Metal Clip-Flange-STD
ST MULTIMODE	
STPMM	Adaptor ST MM red Cap-STD
LC MULTIMODE	
LCPDFLMM	Adaptor LC MM Duplex Beige-ZR-DX-Metal Clip-Flange-STD
LCPSWFMM	Adapter LC MM Duplex Beige (SC Simplex FootPrint) 'Without Flange'
LCPDFLACQ	Adapter LC MM Duplex - ZIRCONIA SLEEVE - AQUA (SC Simplex FootPrint) With Flange
LCPDWFACQ	Adapter LC MM Duplex AQUA ZIRCONIA (SC FootPrint) 'Without Flange'
LCPDFLERK	Adapter LC MM Duplex - ZIRCONIA SLEEVE - Erika Violet SC Simplex FootPrint With Flange
LCPDWFERK	Adapter LC MM Duplex Erika Violet ZIRCONIA SC FootPrint 'Without Flange'
LCPQFLERL	Adapter LC MM QUADPLEX (x4) - ZIRCONIA SLEEVE - AQUA (SC Dplx FootPrint) METAL CLIP with Flange.
LCPQWFACQ	Adaptor LC MM QUADPLEX Flangeless with Zirconia Sleeves - Aqua
LCPQFLMM	Adapter LC MM QUADPLEX (x4) BEIGE (SC Dplx FootPrint) METAL CLIP with Flange
LCPQFLMM	Adapter LC/PC MM QUADPLEX BEIGE MM WITHOUT MOUNTING FLANGE
E2000 MULTIMODE	
E2PFLMM	Adaptor E2000 MM R&M Beige with 2-Hole Flange R505522 Simplex SC Foot-Print

PATCH CORD SIMPLEX *Standard* line



GENERAL

We produce a vast range of simplex fibre optic patch cords in **OS1/2 9/125 -OM1 62.5/125-OM2 50/125-OM3 50/125** and **OM4 50/125** with a Fast Line facility for quick delivery. Various lengths and connector types are available to meet individual requirements.



FEATURES

- SC, LC and ST connectors as standard. Other connectors available.
- UPC polished connectors.
- APC polished available for singlemode.
- 2mm LSZH (low smoke zero halogen) tight buffer cable as standard, 3mm available on request.
- Armoured also available.
- Short boot also available.
- Each patch cord is tested and supplied with a full test certificate.

Standard colours:

- OS2 yellow
- OM1 and OM2 orange
- OM3 Aqua - OM4 Erika Violet or Aqua or request
- Other colours available upon request.



STANDARD

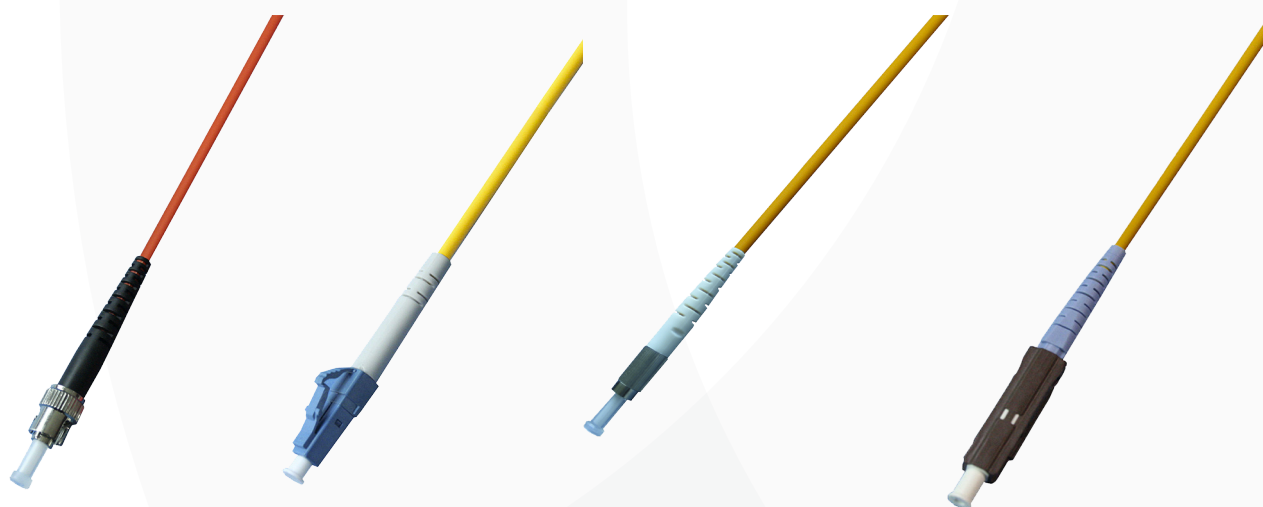
- Our fibre conforms to or exceeds all relevant ISO/IEC, TIA/EIA and ITU standards.



PACKAGING

- Sealed plastic bag with individual test certificate as standard.
- Zip lock bags and blister packaging also available.





PART NUMBER GENERATOR

Standard	Connector A	Connector B	Type of fibre	Simplex SX	Length
D	SC	SC	OM1	SX	0.5
D	SCA	SCA	OM2	SX	1
D	LC	LC	OM3	SX	2
D	LCA	LCA	OM4	SX	3
D	ST	ST	OS2	SX	5
D	FC	FC	-	-	XX

Example part number

D	SC	SC	OS2	SX	5
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Description :

Patch cord simplex standard line 2mm cable SC-SC single mode (SM) yellow 5 metres length.

PATCH CORD DUPLEX *Standard* line



GENERAL

We produce a vast range of duplex fibre optic patch cords in **OS1/2 9/125 -OM1 62.5/125-OM2 50/125-OM3 50/125** and **OM4 50/125** with a Fast Line facility for quick delivery.

Various lengths and connector types are available to meet individual requirements.



FEATURES

- SC, LC and ST connectors as standard. Other connectors available.
- UPC polished connectors.
- APC polished available for singlemode.
- 2mm LSZH (low smoke zero halogen) tight buffer cable as standard, 3mm available on request.
- Armoured also available.
- Short boot also available.
- Each patch cord is tested and supplied with a full test certificate.

Standard colours:

- OS2 yellow
- OM1 and OM2 orange
- OM3 Aqua - OM4 Erika Violet or Aqua or request
- Other colours available upon request.



STANDARD

- Our fibre conforms to or exceeds all relevant ISO/IEC, TIA/EIA and ITU standards.



PACKAGING

- Sealed plastic bag with individual test certificate as standard.
- Zip lock bags and blister packaging also available.





PART NUMBER GENERATOR

Standard	Connector A	Connector B	Type of fibre	Duplex DX	Length
D	SC	SC	OM1	DX	0.5
D	SCA	SCA	OM2	DX	1
D	LC	LC	OM3	DX	2
D	LCA	LCA	OM4	DX	3
D	ST	ST	OS2	DX	5
D	FC	FC	-	-	10
-	-	-	-	-	15
-	-	-	-	-	20
-	-	-	-	-	30

Example part number

D	SC	SC	OS2	DX	5
---	----	----	-----	----	---

Description :

Patch cord duplex standard line 2mm cable SC-SC single mode (SM) yellow 5 metres length.

PIGTAIL

Standard Line



GENERAL

In addition to our supreme line we can also supply a standard line range of pigtails which are cost effective and suitable for most applications.

The 900 um buffered fibre insures easy handling in panels, wall boxes and splice cassettes. Our standard line pigtails, single and multimode, are terminated with our optimised range of zirconia ceramic ferrule connectors, our polishing techniques and precision factory assembly guarantees high transmission quality and reliability. We also have a range of easy strip pigtails facilitating on-site installation.



FEATURE AND BENEFITS

- Exceed IEC performance requirements
- Easy to strip pigtails for on site installation
- Available in different fibre types (SM - G.652D, MM - OM1, OM2, OM3, OM4)
- Available with different connector types (LC, FC, SC, ST)
- Multipacks of 12 tight buffer pigtails (SM, OM1 and OM2 - white, OM3 - aqua, OM4 - Erica violet)
- Pack of 12 x colour easy strip pigtails as per IEC 60304
- Standard buffer low smoke zero halogen (LSZH) material with 900 micron diameter
- REACH & SvHC compliant
- Materials compliant to RoHS (2011/65/EU)



APPLICATIONS

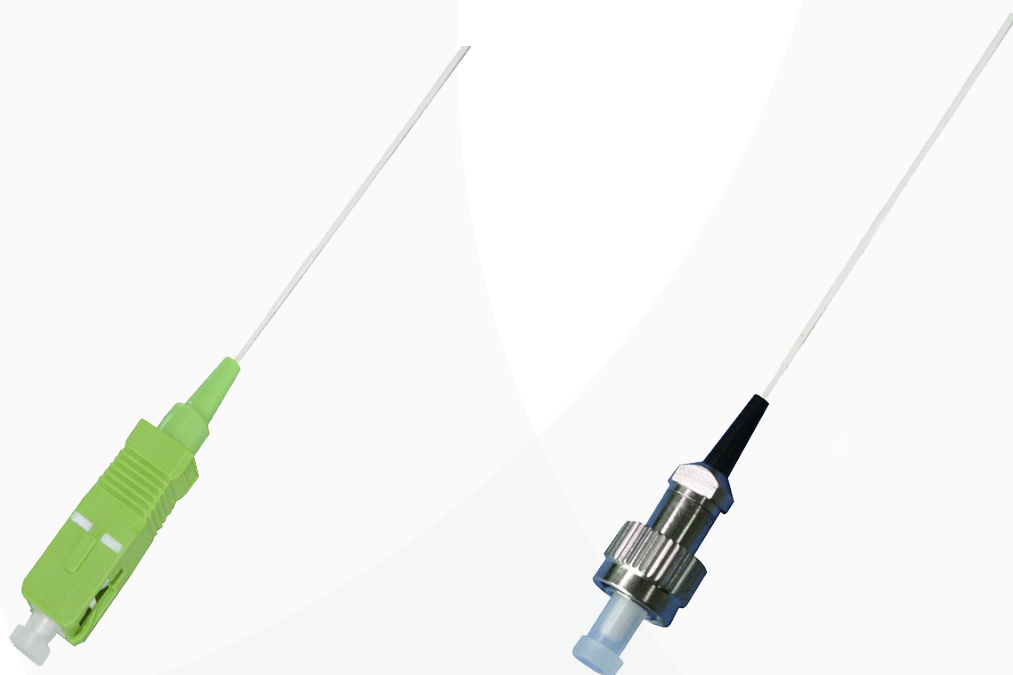
- Patch panels, wall boxes, ODFs and splice cassettes
- Enterprise
- Datacom
- LAN and WAN
- FTTX
- Broadband network



PACKAGING

- Sealed bags with individual test certificate.
- Zip lock or blister pack also available.





P/N	DESCRIPTION
OS2 SIMPLEX STANDARD	
DE2AOS2T1	E2A STANDARD Simplex SM 900um LSZH TB
DFCAOS2T1	FCA STANDARD Simplex SM 900um LSZH TB
DLCAOS2T1	LCA STANDARD Simplex SM 900um LSZH TB
DSCAOS2T1	SCA STANDARD Simplex SM 900um LSZH TB
DFCOS2T1	FC STANDARD Simplex SM 900um LSZH TB
DLCOS2T1	LC STANDARD Simplex SM 900um LSZH TB
DSCOS2T1	SC STANDARD Simplex SM 900um LSZH TB
DSTOS2T1	ST STANDARD Simplex SM 900um LSZH TB
OM1 SIMPLEX STANDARD	
DE2OM1T1	E2 STANDARD Simplex OM1 900um LSZH TB
DFCOM1T1	FC STANDARD Simplex OM1 900um LSZH TB
DLCOM1T1	LC STANDARD Simplex OM1 900um LSZH TB
DSCOM1T1	SC STANDARD Simplex OM1 900um LSZH TB
DSTOM1T1	ST STANDARD Simplex OM1 900um LSZH TB
OM2 SIMPLEX STANDARD	
DE2OM2T1	E2 STANDARD Simplex OM2 900um LSZH TB
DFCOM2T1	FC STANDARD Simplex OM2 900um LSZH TB
DLCOM2T1	LC STANDARD Simplex OM2 900um LSZH TB
DSCOM2T1	SC STANDARD Simplex OM2 900um LSZH TB
DSTOM2T1	ST STANDARD Simplex OM2 900um LSZH TB
OM3 SIMPLEX STANDARD	
DE2OM3T1	E2 STANDARD Simplex OM3 900um LSZH TB
DFCOM3T1	FC STANDARD Simplex OM3 900um LSZH TB
DLCOM3T1	LC STANDARD Simplex OM3 900um LSZH TB
DSCOM3T1	SC STANDARD Simplex OM3 900um LSZH TB
DSTOM3T1	ST STANDARD Simplex OM3 900um LSZH TB
OM4 SIMPLEX STANDARD	
DE2OM4T1	E2 STANDARD Simplex OM4 900um LSZH TB
DFCOM4T1	FC STANDARD Simplex OM4 900um LSZH TB
DLCOM4T1	LC STANDARD Simplex OM4 900um LSZH TB
DSCOM4T1	SC STANDARD Simplex OM4 900um LSZH TB
DSTOM4T1	ST STANDARD Simplex OM4 900um LSZH TB
DSTSTOM4SY1	STANDARD OM4 ST - ST Simplex 50/125 3mm LSZH Aqua

FLEXY OPT PATCH PANEL *SC Simplex - LC Duplex*



GENERAL

This innovative panel has been especially designed to offer complete flexibility whether you need to accommodate 24 SC simplex and LC duplex and quads adaptors or ST and FC adaptors by removing the front panel, all housed in 1U space offering the end user easy access for installation and reworking without causing too much disturbance to the existing cables. Suitable for a variety of cables: tight buffer, loose tube, pre terminated assemblies and steel tape armoured. It has 4 entry cable points allowing greater flexibility during installation. A splice cassette for 24 fibres is available to suit this panel. The panel can be supplied already loaded with your choice of adaptors, a splice cassette or empty.



FEATURES

- Removable front panel with labels
- 24 adaptors position
- Suitable for a variety of adaptors and cable type
- RoHS, REACH SvHC and UL rated
- Fits standard 19"



APPLICATIONS

- Indoor applications
- Data communications
- Data centres
- Telecommunication networks
- Premise installations



STANDARDS

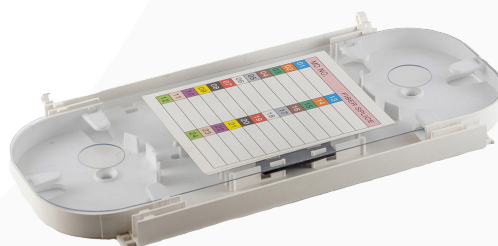
- Material: cold rolled steel
- 1.2 mm thickness
- IP20
- Colour Black RAL 9004
- Operating temperature -40C - +50C
- Designed in accordance with TIA/EIA 568.C, ISO/IEC 11801, EN50173, IEC60304, IEC61754



PACKAGING

- Net weight 2.5 kg
- Packaged weight 3kg
- Anonymous brown box 530mmX55mmx260mm
- Designed in accordance





P/N	DESCRIPTION
SF01XXX00	Flexy Panel Empty version For SC simplex and LC duplex
SC SIMPLEX SINGLE MODE FOOT PRINT FLANGELESS	
SF01SCS12	Flexy Panel with 12 SC Simplex adaptors SM Blue and 12 hole cover
SF01SCS24	Flexy Panel with 24 SC Simplex adaptors SM Blue
SF01SCSA12	Flexy Panel with 12 SC Simplex adaptors SM APC Green and 12 hole cover
SF01SCSA24	Flexy Panel with 24 SC Simplex adaptors SM APC Green
SC SIMPLEX MULTI MODE FOOT PRINT FLANGELESS	
SF01SCM12	Flexy Panel with 12 SC Simplex adaptors MM Beige and 12 hole cover
SF01SCM24	Flexy Panel with 24 SC Simplex adaptors MM Beige
SF01SCMA12	Flexy Panel with 12 SC Simplex adaptors MM Aqua and 12 hole cover
SF01SCMA24	Flexy Panel with 24 SC Simplex adaptors MM Aqua
SF01SCME12	Flexy Panel with 12 SC Simplex adaptors MM Erika and 12 hole cover
SF01SCME24	Flexy Panel with 24 SC Simplex adaptors MM Erica
SPC24	Splice cassette for 24 fibers

FLEXY OPT PATCH PANEL



P/N	DESCRIPTION
LC DUPLEX SINGLE MODE FOOT PRINT FLANGELESS	
SF01LCS12	Flexy Panel with 12 LC Duplex adaptors SM Blue and 12 hole cover
SF01LCS24	Flexy Panel with 24 LC Duplex adaptors SM Blue
SF01LCSA12	Flexy Panel with 12 LC Duplex adaptors SM APC Green and 12 hole cover
SF01LCSA24	Flexy Panel with 24 LC Duplex adaptors SM APC Green
LC DUPLEX MULTI MODE FOOT PRINT FLANGELESS	
SF01LCM12	Flexy Panel with 12 LC Duplex adaptors MM Beige and 12 hole cover
SF01LCM24	Flexy Panel with 24 LC Duplex adaptors MM Beige
SF01LCMA12	Flexy Panel with 12 LC Duplex adaptors MM Aqua and 12 hole cover
SF01LCMA24	Flexy Panel with 24 LC Duplex adaptors MM Aqua
SF01LCME12	Flexy Panel with 12 LC Duplex adaptors MM Erika and 12 hole cover
SF01LCME24	Flexy Panel with 24 LC Duplex adaptors MM Erica
KITMAN	
SCBLS	Sc Simplex LC Duplex Hole cover
SPC12	Splice cassette for 12 fibers
SPC24	Splice cassette for 24 fibers

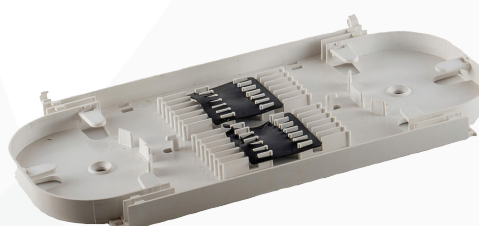


P/N	DESCRIPTION
SF02XXX00	Flexy Panel Empty version For SC Duplex and LC Quad 300 mixed
SC DUPLEX SINGLE MODE FOOT PRINT FLANGELESS	
SF02SCS12	Flexy Panel with 12 SC Duplex adaptors SM Blue and 12 hole cover
SF02SCS24	Flexy Panel with 24 SC Duplex adaptors SM Blue
SF02SCSA12	Flexy Panel with 12 SC Duplex adaptors SM APC Green and 12 hole cover
SF02SCSA24	Flexy Panel with 24 SC Duplex adaptors SM APC Green
SC DUPLEX MULTI MODE FOOT PRINT FLANGELESS	
SF02SCM12	Flexy Panel with 12 SC Duplex adaptors MM Beige and 12 hole cover
SF02SCM24	Flexy Panel with 24 SC Duplex adaptors MM Beige
SF02SCMA12	Flexy Panel with 12 SC Duplex adaptors MM Aqua and 12 hole cover
SF02SCMA24	Flexy Panel with 24 SC Duplex adaptors MM Aqua
SF02SCME12	Flexy Panel with 12 SC Duplex adaptors MM Erika and 12 hole cover
SF02SCME24	Flexy Panel with 24 SC Duplex adaptors MM Erika

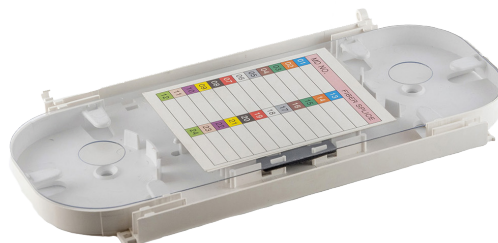
OPT PATCH PANEL



P/N	DESCRIPTION
LC QUAD SINGLE MODE FOOT PRINT FLANGELESS	
SF02LCS12	Flexy Panel with 12 LC Quad adaptors SM Blue and 12 hole cover
SF02LCS24	Flexy Panel with 24 LC Quad adaptors SM Blue
SF02LCSA12	Flexy Panel with 12 LC Quad adaptors SM APC Green and 12 hole cover
SF02LCSA24	Flexy Panel with 24 LC Quad adaptors SM APC Green
LC QUAD MULTI MODE FOOT PRINT FLANGELESS	
SF02LCM12	Flexy Panel with 12 LC Quad adaptors MM Beige and 12 hole cover
SF02LCM24	Flexy Panel with 24 LC Quad adaptors MM Beige
SF02LCMA12	Flexy Panel with 12 LC Quad adaptors MM Aqua and 12 hole cover
SF02LCMA24	Flexy Panel with 24 LC Quad adaptors MM Aqua
SF02LCME12	Flexy Panel with 12 LC Quad adaptors MM Erika and 12 hole cover
SF02LCME24	Flexy Panel with 24 LC Quad adaptors MM Erica
KITMAN	
SCBLD	Sc Duplex LC Quad Hole cover
SPC12	Splice cassette for 12 fibers
SPC24	Splice cassette for 24 fibers



P/N	DESCRIPTION
SF03XXX00	Flexy Panel Empty version For ST Simplex and LC Simplex 300 mixed
ST SIMPLEX SINGLE MODE FOOT PRINT	
SF03STS12	Flexy Panel with 12 ST Simplex adaptors SM Yellow and 12 hole cover
SF03STS24	Flexy Panel with 24 ST Simplex adaptors SM Yellow
ST SIMPLEX MULTI MODE FOOT PRINT	
SF03STM12	Flexy Panel with 12 ST Simplex adaptors MM Red and 12 hole cover
SF03STM24	Flexy Panel with 24 ST Simplex adaptors MM Red
FC SIMPLEX SINGLE MODE FOOT PRINT	
SF03FCS12	Flexy Panel with 12 FC Simplex adaptors SM Black and 12 hole cover
SF03FCS24	Flexy Panel with 24 FC Simplex adaptors SM Black
SF03FCSA12	Flexy Panel with 12 FC Simplex adaptors SM APC Green and 12 hole cover
SF03FCSA24	Flexy Panel with 24 FC Simplex adaptors SM APC Green
FC SIMPLEX MULTI MODE FOOT PRINT	
SF03FCM12	Flexy Panel with 12 FC Simplex adaptors MM Clear and 12 hole cover
SF03FCM24	Flexy Panel with 24 FC Simplex adaptors MM Clear
KITMAN	
STBLD	ST Simplex LC Quad Hole cover
SPC12	Splice cassette for 12 fibers
SPC24	Splice cassette for 24 fibers



P/N	DESCRIPTION
PATCH PANEL FLEXY	
SF24XXX00	Flexy Empty version
SF24LCM24	Flexy sliding patch panel 24 LC Multi mode
SF24LCS24	Flexy sliding patch panel 24 LC Single mode
SF24SCM24	Flexy sliding patch panel 24 SC Multi mode
SF24SCS24	Flexy sliding patch panel 24 SC Single mode
SF24FCM24	Flexy sliding patch panel 24 FC Multi mode
SF24FCS24	Flexy sliding patch panel 24 FC Single mode
SF24STM24	Flexy sliding patch panel 24 ST Multi mode
SF24STS24	Flexy sliding patch panel 24 ST Single mode
SF24LCA24	Flexy sliding patch panel 24 LC Single mode APC
SF24SCA24	Flexy sliding patch panel 24 SC Single mode APC
SF24EDS24	Flexy sliding patch panel 24 E2000 Single mode
SF24EDA24	Flexy sliding patch panel 24 E2000 Single mode APC
KITMAN	
SPC12	Splice cassette for 12 fibers
SPC24	Splice cassette for 24 fibers

o FTTX





FTTH PRETERM



GENERAL

AFSON FTTH ready to use preterminated cable is equipped with an unwinding system that prevents torsion of the cable and facilitates the passage inside pipes also thanks to the reduced diameter of the optical cable. The non-connected side is protected by a heat shrinking sheath and a pulling system to facilitate installation. The containment box, small in size, is convenient for both storage and transportation.

Available in 2 to 24 fibres OS2 G657-A1 and G657-A2 with LSZH jacket complete with SC/APC connectors, our preterminated cable is designed to connect FTTH distributions boxes. We have lengths available that can accommodate specific requests. UPC connectors are also available.



FEATURES

- SC/APC factory pre-installed connectors
- Internal cable 4 to 12 fibre 9/125 G.657.A2 - LSZH jacket



STANDARD

- IEC 60794-1-2 IEC 60754-1/2 IEC 61034-1/2 IEC 60332-1-2



PACKAGING

- Unwinding system inside compact cardboard box





P/N	DESCRIPTION
FTTH PRETERMINATED WHITE CABLE LSZH	
PRE04A2SCABOX-XX	G657A.2 Microtube LSZH jacket white 3.5 mm cable 4 Fibers Preterminated one side staggered SCAPC with pulling element and one side with OPW0004SCAPIG XX mt
PRE04A2SCA-XX	G657A.2 Microtube LSZH jacket white 3.5 mm cable 4 Fibers Preterminated one side staggered SCAPC with pulling element and one side open with protection XX mt
PRE08A2SCASCA-XX	G657A.2 Microtube LSZH jacket white 3.5 mm cable 8 Fibers Preterminated one side staggered SCAPC with pulling element and one side staggered SCAPC protected XX mt
PRE08A2SCA-XX	G657A.2 Microtube LSZH jacket white 3.5 mm cable 8 Fibers Preterminated one side staggered SCAPC with pulling element and one side open with protection XX mt
FTTH PRETERMINATED BLACK CABLE PE	
PRE04A2SCAPEBOX-XX	G657A.2 Microtube PE jacket Black 3.5 mm cable 4 Fibers Preterminated one side staggered SCAPC with pulling element and one side with OPW0004SCAPIG XX mt
PRE04A2SCAPE-XX	G657A.2 Microtube PE jacket Black 3.5 mm cable 4 Fibers Preterminated one side staggered SCAPC with pulling element and one side open with protection XX mt
PRE08A2SCAPESCA-XX	G657A.2 Microtube LSZH jacket white 3.5 mm cable 8 Fibers Preterminated one side staggered SCAPC with pulling element and one side staggered SCAPC protected XX mt
PRE08A2SCA-XX	G657A.2 Microtube LSZH jacket white 3.5 mm cable 8 Fibers Preterminated one side staggered SCAPC with pulling element and one side open with protection XX mt



WALL BOXES



GENERAL

Our Lockable wall mount optical distribution boxes offer protection from the elements with an IP rating of 65 and a strong and durable ABS construction which makes them applicable for indoor and outdoor use. Suitable for a variety of adaptors with an SC footprint our optical distribution boxes can accommodate from 4 to 48 fibres. They are supplied empty with internal cable management system with bend radius protection. To facilitate installation the front door is removable.



FEATURES

- Up to 48 fibres
- IP 65
- Sealing glands
- Supplied with wall fixings and tie wraps
- Suitable for loose tube, tight buffer and preterminated assemblies
- Lockable and removable front door
- Multiple adapter options available
- RoHS, REACH SvHC



APPLICATIONS

- Data centres, premise installations, telecommunication networks
- Ethernet, Fibre Channel, ATM, LAN, MAN and WAN
- Indoor/Outdoor applications



SPECIFICATION

- Operating -40C to +60C
- Designed in accordance with TIA/EIA 568.C, ISO/IEC 11801, EN50173, IEC60304, IEC61754
- Compliant to RoHS, Reach/SVHC



PACKAGING

- Brown carton as standard Special
- Packaging upon request.





P/N	DESCRIPTION
WALL BOXES	
OPW0012	Optical distribution Box IP65 Lockable Wall mount up to 12 fibers SC foot print empty
OPW0024	Optical distribution Box IP65 Lockable Wall mount up to 24 fibers SC foot print empty
OPW0048	Optical distribution Box IP65 Lockable Wall mount up to 48 fibers SC foot print empty

PART NUMBER GENERATOR

Box	Type of fibre	SC Simplex	LC Simplex
OPW0012	OM1	SC	LC
OPW0024	OM2	SC	LC
OPW0048	OM3	SC	LC
-	OM4	SCAPC	LCAPC
-	OM5	-	-
-	SM	-	-

Example part number

OPW0012	SC	SM
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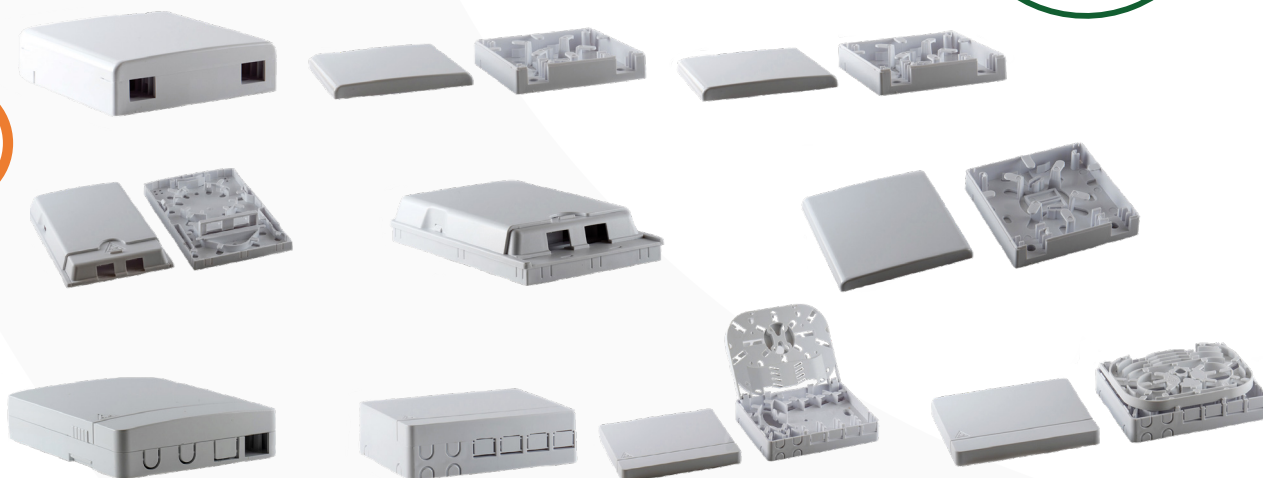
OPW12SCOM1

Description :

Box a parete IP65 12 SC simplex SM. Available including pigtails up on request.



WALL BOXES



P/N	DESCRIPTION
WALL BOXES	
OPW0002	Optical distribution Box IP40 Lockable Wall mount up to 2 fibers SC foot print empty
OPW0002S	Optical distribution Box IP40 Lockable Wall mount sliding up to 2 fibers SC foot print empty
OPW0004	Optical distribution Box IP40 Lockable Wall mount up to 4 fibers SC foot print empty

PART NUMBER GENERATOR

Box	Type of fibre	SC Simplex
OPW002	OM1	SC
OPW002S	OM2	SCAPC
OPW004	OM3	-
-	OM4	-
-	OM5	-
-	SM	-

Example part number

OPW004	SCAPCC	SM
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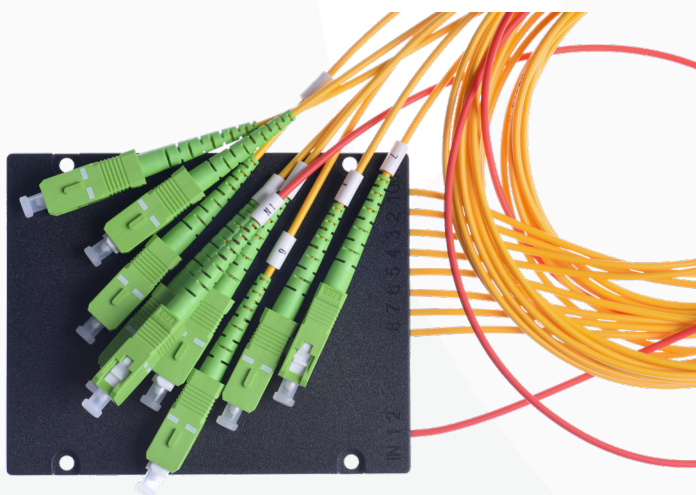
OPW004SCAPCSM

Description :

Box a parete IP40 4 SC APC SM. Available including pigtails up on request.



SPLITTERS



P/N	DESCRIPTION
SPLITTERS	
PLC102SCAP1	PLC 1:02 Hearted ABS Box SC/APC connectors 2.0mm
PLC104SCAP1	PLC 1:04 Hearted ABS Box SC/APC connectors 2.0mm
PLC108SCAP1	PLC 1:08 Hearted ABS Box SC/APC connectors 2.0mm
PLC116SCAP1	PLC 1:16 Hearted ABS Box SC/APC connectors 2.0mm
PLC132SCAP1	PLC 1:16 Hearted ABS Box SC/APC connectors 2.0mm
PLC164SCAP1	PLC 1:16 Hearted ABS Box SC/APC connectors 2.0mm
PLC102P1	PLC 1:02 Hearted ABS Box no connectors 2.0mm
PLC104P1	PLC 1:04 Hearted ABS Box no connectors 2.0mm
PLC108P1	PLC 1:08 Hearted ABS Box no connectors 2.0mm
PLC116P1	PLC 1:16 Hearted ABS Box no connectors 2.0mm
PLC132P1	PLC 1:16 Hearted ABS Box no connectors 2.0mm
PLC164P1	PLC 1:16 Hearted ABS Box no connectors 2.0mm

PATCH CORDS FTTH PATCH CORDS



GENERAL

We produce a vast range of simplex fibre optic patch cords in OS1/2 9/125 G657.A1, G657.A2 with a Fast Line facility for quick delivery. Various lengths and connector types are available to meet individual requirements.



FEATURES

- SC, LC and ST connectors as standard. Other connectors available.
- UPC polished connectors.
- APC polished available for singlemode.
- 2mm LSZH (low smoke zero halogen) tight buffer cable as standard, 3mm available on request.
- Armoured also available.
- Short boot also available.
- Each patch cord is tested and supplied with a full test certificate.

Standard colours:

- OS1/2 9/125
- G657.A1
- G657.A2
- White colour
- Other colour are available upon request.



STANDARD

- Our fibre conforms to or exceeds all relevant ISO/IEC, TIA/EIA and ITU standards.



PACKAGING

- Sealed plastic bag with individual test certificate as standard.
- Zip lock bags and blister packaging also available.





PART NUMBER GENERATOR

Standard	Connector A	Connector B	OS2	G657.A1	G657.A2	Simplex SX	Length
D	SC	SC	OS2	A1	A2	SX	0.5
D	SCA	SCA	-	-	-	SX	1
DR	-	-	-	-	-	-	2
DR	-	-	-	-	-	-	3
-	-	-	-	-	-	-	5
-	-	-	-	-	-	-	XX

Example part number

D	SC	SC	OS2			SX	5
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Description :

Patch cord simplex standard line 2mm cable SC-SC single mode (SM) yellow 5 metres length.

COPPER CONNECTIVITY

THE INDISPUTABLE SOUL OF EACH CABLING STRUCTURED SYSTEM, IS THE CABLE.

Into each regulation scenario (harmonization rules) we can find different types of cable in order to satisfy different types of performances and environment conditions. Afson cable & wire provides a full range of OEM LAN cable from cat5e to cat7.

Available Shielded and Unshielded; for indoor (LSZH, PVC version) and outdoor use (HDPE or PVC version); Standard and Mini outer diameter.

Our cable from cat5e to cat7 are used from residential and commercial building to high performance Data Centre, where is required high density solutions and augmented data range. Our cable can meet UL specifications and the new CPR (construction product rules) specifications.

COPPER MENU

PATCH CORDS CAT 6A STANDARD & MINI	70
PATCH CORDS CAT 6 STANDARD & MINI	72
PATCH CORDS CAT 5e STANDARD & MINI	76
CONNECTIVITY CAT 6A	78
CONNECTIVITY CAT 6	82
CONNECTIVITY CAT 5e	84



PATCH CORDS CAT 6A *PVC and LSZH standard*



GENERAL

Our range of PVC and LSZH grey CAT6A patchcord are available in standard lengths of 0.5, 1,2, 3, 4 and 5 metres but can be supplied in different lengths and colours upon request. Available in UTP and S/FTP. Shielded AWG26 – Unshielded AWG24.

Each cable is fully tested, manufactured to the highest standards and specification from stranded CAT6A cable and High Quality RJ45 plugs. Tangle Free latch.



FEATURES UTP

- Cable: 24AWG (7/0. 195+/- 0.008CU) - *4Pair+Filler+PVC Jacket UL approved stranded cable
- Connectors: RJ45 (8P8C) Male Type with Shield – Insulation: Clear polyester UL – Contact: Brass, Gold Plated G/F – PVC moulding
- PVC and LSZH outer sheath
- High performance, copper pair & overall sheath
- All components are RoSH compliant
- Electrical 100% open and short test



FEATURE F/UTP

- Cable: 26AWG (7/0. 16CU+1PR+AM + 0.008CU) - *4Pair+Braid Shield (80/0.12ALM PVC Jacket UL approved stranded cable)
- Connectors: RJ45 (8P8C) Male Type with Shield – Insulation: Clear polyester UL – Contact: Brass, Gold Plated G/F – Shield : Copper, Nickel Plated
- PVC moulding
- PVC and LSZH outer sheath
- High performance, copper pair & overall sheath
- All components are RoSH compliant
- Electrical 100% open and short test



PACKAGING

- Individually packaged in sealed plastic bag.
- Zip lock bag also available.





P/N LSZH	P/N PVC	DESCRIPTION
CAT 6A U/UTP	CAT 6 U/UTP - PVC AWG24 & LSZH	
6A12400.5	6A02400.5	CAT6 A UTP Patchcord Grey mt. 0.5 PVC
6A12401	6A02401	CAT6 A UTP Patchcord Grey mt. 1 PVC
6A12402	6A02402	CAT6 A UTP Patchcord Grey mt. 2 PVC
6A12403	6A02403	CAT6 A UTP Patchcord Grey mt. 3 PVC
6A12404	6A02404	CAT6 A UTP Patchcord Grey mt. 4 PVC
6A12405	6A02405	CAT6 A UTP Patchcord Grey mt. 5 PVC
CAT 6A F/UTP	CAT 6 F/UTP - PVC AWG26	
6A62400.5	6A52600.5	CAT6 A F/UTP Patchcord Grey mt. 0.5 PVC
6A62401	6A52601	CAT6 A F/UTP Patchcord Grey mt. 1 PVC
6A62402	6A52602	CAT6 A F/UTP Patchcord Grey mt. 2 PVC
6A62403	6A52603	CAT6 A F/UTP Patchcord Grey mt. 3 PVC
6A62404	6A52604	CAT6 A F/UTP Patchcord Grey mt. 4 PVC
6A62405	6A52605	CAT6 A F/UTP Patchcord Grey mt. 5 PVC
CAT 6A S/FTP	CAT 6 S/FTP - PVC AWG26	
6A92400.5	6A82600.5	CAT6 A S/FTP Patchcord Grey mt. 0.5 PVC
6A92401	6A82601	CAT6 A S/FTP Patchcord Grey mt. 1 PVC
6A92402	6A82602	CAT6 A S/FTP Patchcord Grey mt. 2 PVC
6A92403	6A82603	CAT6 A S/FTP Patchcord Grey mt. 3 PVC
6A92404	6A82604	CAT6 A S/FTP Patchcord Grey mt. 4 PVC
6A92404	6A82605	CAT6 A S/FTP Patchcord Grey mt. 5 PVC



ORDER INFORMATION

- Standard Colour Grey RAL 7035
- Different Colours and Packaging available
- Different boot and Plug Cover available

PATCH CORDS CAT 6A *PVC and LSZH mini*



GENERAL

Our mini standard PVC and LSZH CAT6A patchcords are ideal for data centres and high density environments where valuable rack space is essential. Standard lengths of 1,2, 3, 4 and 5 metres but can be supplied in different lengths and colours upon request. Available in U/UTP, they are manufactured and tested to ISO 11801, EN 50173 & TIA/EIA 568-C-2 providing optimum and reliable performance.

- Suitable for High Density Switches and Panels
- Reduced Outside Diameter - 3.8mm OD
- Category 6A Compliant
- Independently verified
- Choice of Colours
- T568B wiring
- Blade style 'slimline' moulded strain relief boot with clip protector
- LSZH Outer Sheath as standard PVC available



FEATURES

- Category: 6A
- Cable type: U/UTP
- Strain relief boot: Moulded-on
- Strain relief boot colour: Grey
- Outer sheath colour: Grey
- Length: from 0.5 m
- Flame retardant version: yes
- Halogen free: yes
- Type of connector connection 1: RJ45 8(8) Tangle Free latch
- Type of connector connection 2: RJ45 8(8) Tangle Free latch
- AWG-size: 32
- Pin assignment: 1:1
- Lockable: no
- Cable construction: 1x4





P/N LSZH	P/N PVC	DESCRIPTION
CAT 6A U/UTP	CAT 6A U/UTP - PVC AWG32 & LSZH	
6A12800.5	602800.5	CAT6A UTP Patchcord Grey mt. 0.5 PVC & LSZH
6A12801	602801	CAT6A UTP Patchcord Grey mt. 1 PVC & LSZH
6A12802	602802	CAT6A UTP Patchcord Grey mt. 2 PVC & LSZH
6A12803	602803	CAT6A UTP Patchcord Grey mt. 3 PVC & LSZH
6A12804	602804	CAT6A UTP Patchcord Grey mt. 4 PVC & LSZH
6A12805	602805	CAT6A UTP Patchcord Grey mt. 5 PVC & LSZH

P/N LSZH	P/N PVC	DESCRIPTION
CAT 6A S/FTP	CAT 6A S/FTP - PVC AWG32 & LSZH	
6A93200.5	6A83200.5	CAT6A S/FTP Patchcord Grey mt. 0.5 PVC
6A93201	6A83201	CAT6A S/FTP Patchcord Grey mt. 1 PVC
6A93202	6A83202	CAT6A S/FTP Patchcord Grey mt. 2 PVC
6A93203	6A83203	CAT6A S/FTP Patchcord Grey mt. 3 PVC
6A93204	6A83204	CAT6A S/FTP Patchcord Grey mt. 4 PVC
6A93205	6A83205	CAT6A S/FTP Patchcord Grey mt. 5 PVC



ORDER INFORMATION

- Standard Colour Grey RAL 7035
- Different Colours and Packaging available
- Different boot and Plug Cover available
- Different lengths available on request

PATCH CORDS CAT 6 *PVC and LSZH Grey colour standard*



GENERAL

Our range of PVC and LSZH grey CAT6 patchcord are available in standard lengths of 0.5, 1,2, 3, 4 and 5 metres but can be supplied in different lengths and colours upon request. Available in UTP, F/UTP and S/FTP. Shielded AWG24 – Unshielded AWG26

Each cable is fully tested, manufactured to the highest standards and specification from stranded CAT6 cable and High Quality RJ45 plugs.



FEATURES UTP

- Cable: 26AWG (7/0.19CU+/- 0.008) - *4Pair PVC Jacket UL approved stranded cable
- Connectors: RJ45 (8P8C) Male Type with Shield – Insulation: Clear polyester UL – Contact: Brass, Gold Plated G/F – PVC moulding
- PVC outer sheath
- High performance, copper pair & overall sheath
- All components are RoSH compliant
- Electrical 100% open and short test



FEATURE F/UTP

- Cable: 26AWG (7/0.19CU/- 0.008) - *4Pair +Mylar+Drain Wire + AL foil PVC Jacket UL approved stranded cable
- Connectors: RJ45 (8P8C) Male Type with Shield – Insulation: Clear polyester UL – Contact: Brass, Gold Plated G/F – Shield: Copper, Nickel Plated
- PVC moulding
- PVC and LSZH outer sheath
- High performance, copper pair & overall sheath
- All components are RoSH compliant
- Electrical 100% open and short test



PACKAGING

- Individually packaged in sealed plastic bag.
- Zip lock bag also available.





P/N LSZH	P/N PVC	DESCRIPTION
CAT 6 U/UTP		CAT 6 U/UTP - PVC AWG24 & LSZH
612400.5	602400.5	CAT6 UTP Patchcord Grey mt. 0.5 PVC & LSZH
612401	602401	CAT6 UTP Patchcord Grey mt. 1 PVC & LSZH
612402	602402	CAT6 UTP Patchcord Grey mt. 2 PVC & LSZH
612403	602403	CAT6 UTP Patchcord Grey mt. 3 PVC & LSZH
612404	602404	CAT6 UTP Patchcord Grey mt. 4 PVC & LSZH
612405	602405	CAT6 UTP Patchcord Grey mt. 5 PVC & LSZH
CAT 6 F/UTP		CAT 6 F/UTP - PVC AWG26
662600.5	652600.5	CAT6 F/UTP Patchcord Grey mt. 0.5 PVC & LSZH
662601	652601	CAT6 F/UTP Patchcord Grey mt. 1 PVC & LSZH
662602	652602	CAT6 F/UTP Patchcord Grey mt. 2 PVC & LSZH
662603	652603	CAT6 F/UTP Patchcord Grey mt. 3 PVC & LSZH
662604	652604	CAT6 F/UTP Patchcord Grey mt. 4 PVC & LSZH
662605	652605	CAT6 F/UTP Patchcord Grey mt. 5 PVC & LSZH
CAT 6 S/FTP		CAT 6 S/FTP - PVC AWG26
692600.5	682600.5	CAT6 S/FTP Patchcord Grey mt. 0.5 PVC & LSZH
692601	682601	CAT6 S/FTP Patchcord Grey mt. 1 PVC & LSZH
692602	682602	CAT6 S/FTP Patchcord Grey mt. 2 PVC & LSZH
692603	682603	CAT6 S/FTP Patchcord Grey mt. 3 PVC & LSZH
692604	682604	CAT6 S/FTP Patchcord Grey mt. 4 PVC & LSZH
692605	682605	CAT6 S/FTP Patchcord Grey mt. 5 PVC & LSZH

P/N LSZH	P/N PVC	DESCRIPTION
CAT 6 U/UTP		CAT 6 U/UTP - PVC AWG26 & LSZH
612600.5	602600.5	CAT6 UTP Patchcord Grey mt. 0.5 PVC & LSZH
612601	602601	CAT6 UTP Patchcord Grey mt. 1 PVC & LSZH
612602	602602	CAT6 UTP Patchcord Grey mt. 2 PVC & LSZH
612603	602603	CAT6 UTP Patchcord Grey mt. 3 PVC & LSZH
612604	602604	CAT6 UTP Patchcord Grey mt. 4 PVC & LSZH
612605	602605	CAT6 UTP Patchcord Grey mt. 5 PVC & LSZH



ORDER INFORMATION

- Standard Colour Grey RAL 7035
- Different Colours and Packaging available
- Different boot and Plug Cover available
- Different lengths available on request

PATCH CORDS CAT 6 *PVC and LSZH mini*



GENERAL

Our mini standard PVC and LSZH CAT6 patchcords are ideal for data centres and high density environments where valuable rack space is essential. Standard lengths of 1,2, 3, 4 and 5 metres but can be supplied in different lengths and colours upon request. Available in U/UTP, they are manufactured and tested to ISO 11801, EN 50173 & TIA/EIA 568-C-2 providing optimum and reliable performance.

- Suitable for High Density Switches and Panels
- Reduced Outside Diameter - 3.8mm OD
- Category 6A Compliant
- Independently verified
- Choice of Colours
- T568B wiring
- Blade style 'slimline' moulded strain relief boot with clip protector
- LSZH Outer Sheath as standard PVC available



FEATURES

- Category: 6
- Cable type: U/UTP
- Strain relief boot: Moulded-on
- Strain relief boot colour: Grey
- Outer sheath colour: Grey
- Length: from 0.5 m
- Flame retardant version: yes
- Halogen free: yes
- Type of connector connection 1: RJ45 8(8) Tangle Free latch
- Type of connector connection 2: RJ45 8(8) Tangle Free latch
- AWG-size: 32
- Pin assignment: 1:1
- Lockable: no
- Cable construction: 1x4





P/N LSZH	P/N PVC	DESCRIPTION
CAT 6 U/UTP	CAT 6 U/UTP - PVC AWG28 MINI & LSZH	
612800.5	602800.5	CAT6 UTP Patchcord Grey mt. 0.5 PVC MINI & LSZH
612801	602801	CAT6 UTP Patchcord Grey mt. 1 PVC MINI & LSZH
612802	602802	CAT6 UTP Patchcord Grey mt. 2 PVC MINI & LSZH
612803	602803	CAT6 UTP Patchcord Grey mt. 3 PVC MINI & LSZH
612804	602804	CAT6 UTP Patchcord Grey mt. 4 PVC MINI & LSZH
612805	602805	CAT6 UTP Patchcord Grey mt. 5 PVC MINI & LSZH

P/N LSZH	P/N PVC	DESCRIPTION
CAT 6 F/UTP	CAT 6 F/UTP - PVC AWG27 MINI & LSZH	
662700.5	652800.5	CAT6 F/UTP Patchcord Grey mt. 0.5 PVC MINI & LSZH
662701	652801	CAT6 F/UTP Patchcord Grey mt. 1 PVC MINI & LSZH
662702	652802	CAT6 F/UTP Patchcord Grey mt. 2 PVC MINI & LSZH
662703	652803	CAT6 F/UTP Patchcord Grey mt. 3 PVC MINI & LSZH
662704	652804	CAT6 F/UTP Patchcord Grey mt. 4 PVC MINI & LSZH
662705	652805	CAT6 F/UTP Patchcord Grey mt. 5 PVC MINI & LSZH



ORDER INFORMATION

- Standard Colour Grey RAL 7035
- Different Colours and Packaging available
- Different boot and Plug Cover available
- Different lengths available on request

PATCH CORDS CAT 5e *PVC and LSZH Grey colour standard*



GENERAL

Our range of LSZH grey CAT5e patchcord are available in standard lengths of 1, 2, 3, 4 and 5 metres but can be supplied in different lengths and colours upon request. Available in UTP and F/UTP

Each cable is fully tested, manufactured to the highest standards and specification from stranded CAT5e cable and High Quality RJ45 plugs. Design suitable for advanced and new build networks



FEATURES UTP

- Cable: 26AWG (7/0.16+/- 0.008CU) - *4Pair LSZH PVC Jacket UL approved stranded cable
- Connectors: RJ45 (8P8C) Male Type with Shield - Insulation: Clear polyester UL - Contact: Brass, Gold Plated G/F - PVC moulding
- LSZH outer sheath
- High performance, copper pair & overall sheath
- All components are RoSH compliant
- Electrical 100% open and short test



FEATURE F/UTP

- Cable: 26AWG (7/0.16+/- 0.008CU) - *4Pair +Mylar+Drain Wire + AL foil LSZH Jacket UL approved stranded cable
- Connectors: RJ45 (8P8C) Male Type with Shield - Insulation: Clear polyester UL - Contact: Brass, Gold Plated G/F - Shield : Copper, Nickel Plated
- PVC moulding
- LSZH PVC outer sheath
- High performance, copper pair & overall sheath
- All components are RoSH compliant
- Electrical 100% open and short test



PACKAGING

- Individually packaged in sealed plastic bag.
- Zip lock bag also available.





P/N LSZH	P/N PVC	DESCRIPTION
CAT5 e U/UTP	CAT5 e U/UTP - PVC & LSZH	
512600.5	502600.5	CAT5E UTP Patchcord AWG26/7 Grey mt. 0.5 PVC & LSZH
512601	502601	CAT5E UTP Patchcord AWG26/7 Grey mt. 1 PVC & LSZH
512602	502602	CAT5E UTP Patchcord AWG26/7 Grey mt. 2 PVC & LSZH
512603	502603	CAT5E UTP Patchcord AWG26/7 Grey mt. 3 PVC & LSZH
512604	502604	CAT5E UTP Patchcord AWG26/7 Grey mt. 4 PVC & LSZH
512605	502605	CAT5E UTP Patchcord AWG26/7 Grey mt. 5 PVC & LSZH
CAT5 e F/UTP	CAT5 e F/UTP - PVC & LSZH	
562600.5	552600.5	CAT5E F/UTP Patchcord AWG26/7 Grey mt. 0.5 PVC & LSZH
562601	552601	CAT5E F/UTP Patchcord AWG26/7 Grey mt. 1 PVC & LSZH
562602	552602	CAT5E F/UTP Patchcord AWG26/7 Grey mt. 2 PVC & LSZH
562603	552603	CAT5E F/UTP Patchcord AWG26/7 Grey mt. 3 PVC & LSZH
562604	552604	CAT5E F/UTP Patchcord AWG26/7 Grey mt. 4 PVC & LSZH
562605	552605	CAT5E F/UTP Patchcord AWG26/7 Grey mt. 5 PVC & LSZH
CAT5 e S/FTP	CAT5 e S/FTP - PVC & LSZH	
592600.5	582600.5	CAT5E S/FTP Patchcord AWG26/7 Grey mt. 0.5 PVC & LSZH
592601	582601	CAT5E S/FTP Patchcord AWG26/7 Grey mt. 1 PVC & LSZH
592602	582602	CAT5E S/FTP Patchcord AWG26/7 Grey mt. 2 PVC & LSZH
592603	582603	CAT5E S/FTP Patchcord AWG26/7 Grey mt. 3 PVC & LSZH
592604	582604	CAT5E S/FTP Patchcord AWG26/7 Grey mt. 4 PVC & LSZH
592605	582605	CAT5E S/FTP Patchcord AWG26/7 Grey mt. 5 PVC & LSZH



ORDER INFORMATION

- Standard Colour Grey RAL 7035
- Different Colours and Packaging available
- Different boot and Plug Cover available
- Different lengths available on request

CONNECTIVITY CAT 6A *standard* line



GENERAL

Our Cat6A copper connectivity consists of shielded and unshielded 180 degrees punch down or toolless keystone jacks and 24 port patch panels. The UTP unshielded version of keystone jacks are available white or black with a black patch panel which can be supplied empty or loaded, whilst the STP shielded version are silver with a black with silver trim panel making it easier to recognise during installation and reworking. Our keystone CAT6A can be used also with CAT5e and CAT6 installations.



FEATURES

- 24 port patch panels available loaded or unloaded
- Cage nuts and cable ties included
- Integral labelling field for easy identification
- Keystone jacks are toolless and punch down
- RJ45: Gold over nickel plated phosphor bronze
- Key stone jacks Body: ABS plastic in white (RAL 9003) and black (RAL 9004)



STANDARDS

- Compliant with ISO/IEC 11801:2011 (Ed.2.2) EN 50173 1:2011 EN 50173 2:2007 + A1:2010 ANSI/TIA 568 C.2 2009



PACKAGING

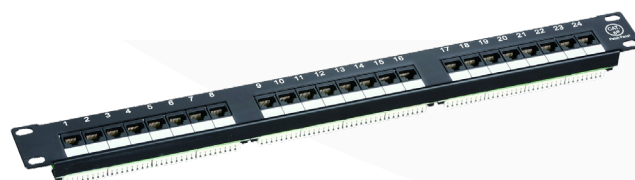
- Keystone jacks are packaged individually in a sealed plastic bag.
- Patch panels are packaged in plain cardboard box.
- Bespoke packaging available on request





UTP 180 degrees Tool less design for Cat5e, Cat6 and Cat6A keystone jacks

P/N	DESCRIPTION
CAT 6A UNSHIELDED CONNECTIVITY	
6A01801	CAT6A UTP 180 ° Toolless White
6A01802	CAT6A UTP 180 ° Toolless Black
6A11801	CAT6A UTP 180 ° (new Tool) White Punch Down
6A11802	CAT6A UTP 180 ° (new Tool) Black Punch Down
102400	UTP Patch Panel empty Black
6A02424	CAT6A UTP Patch Panel Full Black with rear management
CAT 6A SHIELDED CONNECTIVITY	
6A51801	CAT6A STP 180 ° Toolless Silver
6A61801	CAT6A STP 180 ° (new Tool) Silver Punch Down
152400	STP Patch Panel empty Silver Blade + Silver Trim
6A52424	CAT6A STP Patch Panel Full Silver Blade + Silver Trim



CONNECTIVITY CAT 6

Standard



GENERAL

Our Cat6 copper connectivity consists of shielded and unshielded 180 degrees punch down or toolless keystone jacks and 24 port patch panels. The UTP unshielded version of keystone jacks are available white or black with a black patch panel which can be supplied empty or loaded, whilst the STP shielded version are silver with a black with silver trim panel making it easier to recognise during installation and reworking.



FEATURES

- 24 port patch panels available loaded or unloaded
- Cage nuts and cable ties included
- Integral labelling field for easy identification
- Keystone jacks are toolless and tooled
- RJ45: Gold over nickel plated phosphor bronze
- Keystone jacks body: ABS plastic in white (RAL 9003) and Black (RAL 9004)
- Attenuation: >0.1dB @ 100Mhz



STANDARDS

- Compliant with ANSI/TIA/EIA-568-C.2 Category 5e & ISO/IEC-11801 edition 2.2 standards



PACKAGING

- Keystone jacks are packaged individually in a sealed plastic bag.
- Patch panels are packaged in plain cardboard box.
- Bespoke packaging available on request





UTP 180 degrees Tool less design for Cat5e, Cat6 and Cat6A keystone jacks

P/N	DESCRIPTION
CAT 6 UNSHIELDED CONNECTIVITY	
601801	CAT6 UTP 180 ° Toolless White
601802	CAT6 UTP 180 ° Toolless Black
611801	CAT6 UTP 180 ° (new Tool) White Punch Down
611802	CAT6 UTP 180 ° (new Tool) Black Punch Down
102400	UTP Patch Panel empty Black
602424	CAT6 UTP Patch Panel Full Black with rear management
CAT 6 SHIELDED CONNECTIVITY	
651801	CAT6 STP 180 ° Toolless Silver
661801	CAT6 STP 180 ° (new Tool) Silver Punch Down
152400	STP Patch Panel empty Silver Blade + Silver Trim
652424	CAT6 STP Patch Panel Full Silver Blade + Silver Trim



CONNECTIVITY CAT 5e *standard* line



GENERAL

Our Cat5e Standard line copper connectivity consists of shielded and unshielded 180 degrees punch down or toolless keystone jacks and 24 port patch panels. The UTP unshielded version of keystone jacks are available white or black with a black patch panel which can be supplied empty or loaded, whilst the STP shielded version are black with a silver trim making it easier to recognise during installation and reworking.



FEATURES

- 24 port patch panels available loaded or unloaded
- Cage nuts and cable ties included
- Integral labelling field for easy identification
- Keystone jacks are toolless and punch down
- Keystone Body: ABS plastic in white (RAL 9003) and Black (RAL 9004)
- Attenuation: >0.1dB @ 100Mhz



STANDARDS

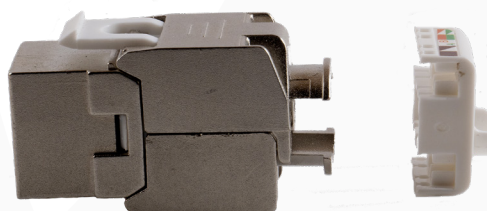
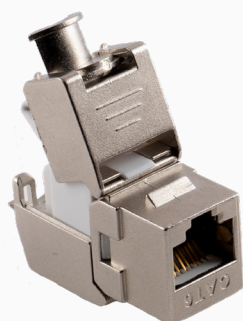
- Compliant with ANSI/TIA/EIA-568-C.2 Category 5e & ISO/IEC-11801 edition 2.2 standards



PACKAGING

- Keystone jacks are packaged individually in a sealed plastic bag.
- Patch panels are packaged in plain cardboard box.
- Bespoke packaging available on request





STP 180 degrees Tool less design for Cat5e, Cat6 and Cat6A keystone jacks

P/N	DESCRIPTION
CAT 5e UNSHIELDED CONNECTIVITY	
501801	Cat5e UTP 180 ° Toolless White
501802	Cat5e UTP 180 ° Toolless Black
511801	Cat5e UTP 180 ° (new Tool) White Punch Down
511802	Cat5e UTP 180 ° (new Tool) Black Punch Down
102400	UTP Patch Panel empty Black
502424	Cat5e UTP Patch Panel Full Black with rear management
CAT 5e SHIELDED CONNECTIVITY	
551801	Cat5e STP 180 ° Toolless Silver
561801	Cat5e STP 180 ° (new Tool) Silver Punch Down
152400	STP Patch Panel empty Silver Blade + Silver Trim
552424	Cat5e STP Patch Panel Full Silver Blade + Silver Trim



LAN CABLE

THE INDISPUTABLE SOUL OF EACH CABLING STRUCTURED SYSTEM, IS THE CABLE

Afson cable & Wire produces standard cables such as Cat5 to Cat7 but we can also design and produce cables with special features such as hybrid cables, including coaxial + Lan or Fibre + Lan. We can also manufacture said cables with different types of jackets suitable for critical environments and a full range of Multi Pairs Lan cable in each category.

All our products come with full test certificate and packaging can be designed to customer's specificat

Into each regulation scenario (harmonization rules) we can find different types of cable in order to satisfy different types of performances and environment conditions. Afson cable & wire provides a full range of OEM LAN cable from cat5e to cat7.

Available Shielded and Unshielded; for indoor (LSZH, PVC version) and outdoor use (HDPE or PVC version); Standard and Mini outer diameter.

Our Cat5e to Cat7 cables are used in residential and commercial building and also in high performance Data Centres, where high density solutions and increased data range is required.

Our cables meet UL specifications and the new CPR (construction product rules) specification.

LAN MENU

U/UTP CAT3 CABLE	88
SF/UTP CAT5E CABLE	90
F/UTP CAT5E CABLE	92
U/UTP CAT5E CABLE	94
U/UTP CAT6 CABLE	96
F/UTP CAT6 CABLE	98
SF/UTP CAT6 CABLE	100
F/FTP CAT6A CABLE	102
U/FTP CAT6A CABLE	104
U/UTP CAT6A CABLE	106
S/FTP CAT7 CABLE	108

U/UTP CAT3 CABLE



ITEM NO.

- 3 U/UTP AWG24/25-50-100cp

TEST STANDARD

- ISO/IEC 11801, TIA/EIA 568C.2

CONDUCTOR

MATERIAL

- Solid Bare Copper

NOM.O.D.

- 0.50 ± 0.003 mm

INSULATION

MATERIAL

- HDPE

NOM.O.D.

- 0.87 ± 0.03 mm

JACKET

THICKNESS

- $0.85/0.90/1.00 \pm 0.05$ mm

EXTERNAL O.D.

- $11.3/15.0/20.2 \pm 0.8$ mm

MATERIAL

- PVC
- LSZH
- PE

COLOR

- As required

ELECTRICAL

CHARACTERISTICS (20)

- Impedance(Ω) 100 ± 15
- Delay Shew(ns/100m) ≤ 45
- NVP 65%
- Capacitance(nf/100m) ≤ 6.6
- DC Resistance(Ω /100m) ≤ 9.5
- DC Conductor Resistance ≤ 5.0
Unbalance(%)

RIP-CORD

- Yes

DRAIN WIRE

- No

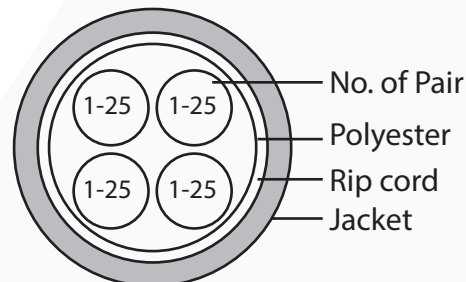
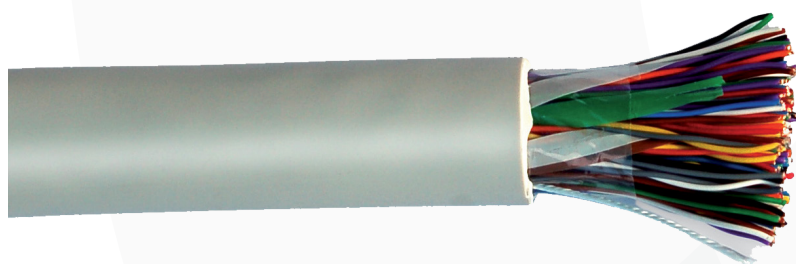


WOODEN REEL & CARTON



LENGTH

305 ± 1.5 m



TECHNICAL PERFORMANCE(100M):

FREQUENCY (MHz)	RL ≥dB	ATT(20°) ≤dB	NEXT ≥dB	FREQUENCY (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1.0	12.0	2.6	41.3	1.0	41.3	39.0	39.0
4.0	12.0	5.6	32.3	4.0	32.3	26.9	26.9
8.0	12.0	8.5	27.8	8.0	27.8	20.9	20.9
10.0	12.0	9.7	26.3	10.0	26.3	19.0	19.0
16.0	9.95	13.1	23.3	16.0	23.3	14.9	14.9

JACKET PHYSICAL PROPERTIES

JACKET

AGING				COLD BEND	
ITEM		AGING PERIOD	100°*24H*7D	COLD PERIOD	-20±2°C*4H
		Before Aging	After Aging	Bend Radius	8*Cable O.D.
PVC	Tensile Strength	≥13.5 Mpa	≥12.5 Mpa	No Visible Cracks	
	Elongation	≥150 %	≥125 %		
LSZH	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥125%	≥100%		
PE	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥350 %	≥350 %		

P/N	DESCRIPTION
UU3.50.PV(25-50-100cp)	Cat3 U/UTP AWG24 PVC Jacket
UU3.50.LS(25-50-100cp)	Cat3 U/UTP AWG24 LSZH Jacket
UU3.50.PE(25-50-100cp)	Cat3 U/UTP AWG24 PE Jacket

SF/UTP CAT5E CABLE



ITEM NO.

- 5 Enhanced SF/UTP AWG24

TEST STANDARD

- ISO/IEC 11801 TIA/EIA 568C.2

CONDUCTOR

MATERIAL

- Solid Bare Copper

NOM.O.D.

- 0.51 ± 0.003 mm

INSULATION

MATERIAL

- HDPE

NOM.O.D.

- 1.00 ± 0.03 mm

SHIELD

Al Foil

BRAID

TC/Al Wire

JACKET

THICKNESS

- 0.60 ± 0.05 mm

EXTERNAL O.D.

- 6.2 ± 0.3 mm

MATERIAL

- PVC
- LSZH
- PE

COLOR

- As required

ELECTRICAL

CHARACTERISTICS (20)

- Impedance(Ω) 100 ± 15
- Delay Shew(ns/100m) ≤ 45
- NVP 69%
- Capacitance(nf/100m) ≤ 5.6
- Capacitance unbalanced ≤ 330 to-ground(pf/100m)
- DC Resistance(Ω /100m) ≤ 9.5
- DC Conductor Resistance ≤ 5.0 Unbalance(%)

RIP-CORD

- Yes

DRAIN WIRE

- 0.40TC



PLASTIC REEL & PULL CARTON



DIMENSION

33*26.5*34cm

LENGTH

305 $\pm$ 1.5m

WOODEN REEL & CARTON

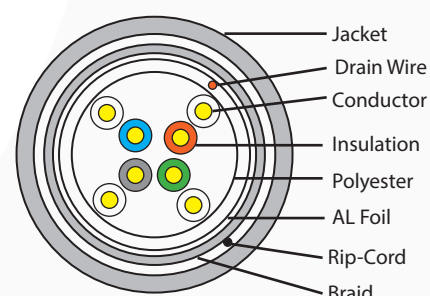


DIMENSION

31*31*29cm

LENGTH

305 $\pm$ 1.5m



TECHNICAL PERFORMANCE(100M):

FREQUENCY (MHz)	RL ≥dB	ATT(20°) ≤dB	NEXT ≥dB	ACR ≥dB	FREQUENCY (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1.0	20.0	2.0	65.3	63.3	1.0	62.3	63.8	60.8
4.0	23.0	4.1	56.3	52.2	4.0	53.3	51.8	48.8
8.0	24.5	5.8	51.8	46.0	8.0	48.8	45.7	42.7
10.0	25.0	6.5	50.3	43.8	10.0	47.3	43.8	40.8
16.0	25.0	8.2	47.2	39.0	16.0	44.4	39.7	36.7
20.0	25.0	9.3	45.8	36.5	20.0	42.8	37.8	34.8
25.0	24.3	10.4	44.3	33.9	25.0	41.3	35.8	32.8
31.25	23.6	11.7	42.9	31.2	31.25	39.9	33.9	30.9
62.5	21.5	17.0	38.4	21.4	62.5	35.4	27.9	24.9
100	20.1	22.0	35.3	13.3	100	32.3	23.8	20.8

JACKET PHYSICAL PROPERTIES

JACKET

AGING				COLD BEND	
ITEM	AGING PERIOD	100°*24H*7D		COLD PERIOD	-20±2°C*4H
	Before Aging	After Aging		Bend Radius	8*Cable O.D.
PVC	Tensile Strength	≥13.5 Mpa	≥12.5 Mpa	No Visible Cracks	
	Elongation	≥150 %	≥125 %		
LSZH	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥125%	≥100%		
PE	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥350 %	≥350 %		

P/N	DESCRIPTION
SFU5.51.PV - E	Cat5E SF/UTP AWG24 PVC Jacket CPR class Eca
SFU5.51.LS - E	Cat5E SF/UTP AWG24 LSZH Jacket CPR class Eca
SFU5.51.PE - F	Cat5E SF/UTP AWG24 PE Jacket CPR class Fca
SFU5.51.PVPE - F	Cat5E SF/UTP AWG24 PVC + PE Jacket CPR class Fca

Special Jackets in accordance with customer's requirements

F/UTP CAT5E CABLE



ITEM NO.

- 5 Enhanced F/UTP AWG24

TEST STANDARD

- ISO/IEC 11801, TIA/EIA 568C.2

CONDUCTOR

MATERIAL

- Solid Bare Copper

NOM.O.D.

- 0.51 ± 0.003 mm

INSULATION

MATERIAL

- HDPE

NOM.O.D.

- 1.09 ± 0.03 mm

SHIELD

- Al Foil

JACKET

THICKNESS

- 0.55 ± 0.05 mm

EXTERNAL O.D.

- 6.0 ± 0.3 mm

MATERIAL

- PVC
- LSZH
- PE

COLOR

- As required

ELECTRICAL

CHARACTERISTICS (20)

- Impedance(Ω) 100 ± 15
- Delay Shew(ns/100m) ≤ 45
- NVP 69%
- Capacitance(nf/100m) ≤ 5.6
- Capacitance unbalanced ≤ 330 to-ground(pf/100m)
- DC Resistance(Ω /100m) ≤ 9.5
- DC Conductor Resistance ≤ 5.0 Unbalance(%)

RIP-CORD

- Yes

DRAIN WIRE

- 0.40TC



PLASTIC REEL & PULL CARTON



DIMENSION

42*42*21cm

LENGTH

305 $\pm$ 1.5m

WOODEN REEL & CARTON

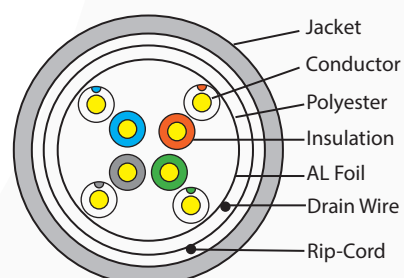


DIMENSION

31*31*29cm

LENGTH

305 $\pm$ 1.5m



TECHNICAL PERFORMANCE(100M):

FREQUENCY (MHz)	RL ≥dB	ATT(20°) ≤dB	NEXT ≥dB	ACR ≥dB	FREQUENCY (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1.0	20.0	2.0	65.3	63.3	1.0	62.3	63.8	60.8
4.0	23.0	4.1	56.3	52.2	4.0	53.3	51.8	48.8
8.0	24.5	5.8	51.8	46.0	8.0	48.8	45.7	42.7
10.0	25.0	6.5	50.3	43.8	10.0	47.3	43.8	40.8
16.0	25.0	8.2	47.2	39.0	16.0	44.4	39.7	36.7
20.0	25.0	9.3	45.8	36.5	20.0	42.8	37.8	34.8
25.0	24.3	10.4	44.3	33.9	25.0	41.3	35.8	32.8
31.25	23.6	11.7	42.9	31.2	31.25	39.9	33.9	30.9
62.5	21.5	17.0	38.4	21.4	62.5	35.4	27.9	24.9
100	20.1	22.0	35.3	13.3	100	32.3	23.8	20.8

JACKET PHYSICAL PROPERTIES

JACKET

AGING				COLD BEND	
ITEM		AGING PERIOD	100°*24H*7D	COLD PERIOD	-20±2°C*4H
		Before Aging	After Aging	Bend Radius	8*Cable O.D.
PVC	Tensile Strength	≥13.5 Mpa	≥12.5 Mpa	No Visible Cracks	
	Elongation	≥150 %	≥125 %		
LSZH	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥125%	≥100%		
PE	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥350 %	≥350 %		

P/N	DESCRIPTION
FU5.51.PV - E	Cat5E F/UTP AWG24 PVC Jacket CPR class Eca
FU5.51.LS - E	Cat5E F/UTP AWG24 LSZH Jacket CPR class Eca
FU5.51.PE - F	Cat5E F/UTP AWG24 PE Jacket CPR class Fca
FU5.51.PVPE - F	Cat5E F/UTP AWG24 PVC + PE Jacket CPR class Fca
FU5.51LS - D	Cat5E F/UTP AWG24 LSZH Jacket CPR class Dca

Special Jackets in accordance with customer's requirements

U/UTP CAT5E CABLE



ITEM NO.

- 5 Enhanced U/UTP AWG24

TEST STANDARD

- ISO/IEC 11801, TIA/EIA 568C.2

CONDUCTOR

MATERIAL

- Solid Bare Copper

NOM.O.D.

- 0.50 ± 0.03 mm

INSULATION

MATERIAL

- HDPE

NOM.O.D.

- 0.90 ± 0.003

JACKET

THICKNESS

- 0.55 ± 0.05 mm

EXTERNAL O.D.

- 5.0 ± 0.3

MATERIAL

- PVC
- LSZH
- PE

COLOR

- As required

ELECTRICAL

CHARACTERISTICS (20)

- Impedance(Ω) 100 ± 15
- Delay Shew(ns/100m) ≤ 45
- NVP 69%
- Capacitance(nf/100m) ≤ 5.6
- DC Resistance(Ω /100m) ≤ 9.5
- DC Conductor Resistance ≤ 5.0
- Unbalance(%)

RIP-CORD

- Yes

DRAIN WIRE

- No



PLASTIC REEL & PULL CARTON



DIMENSION

35*35*21cm

LENGTH

305 ± 1.5 m

WOODEN REEL & CARTON

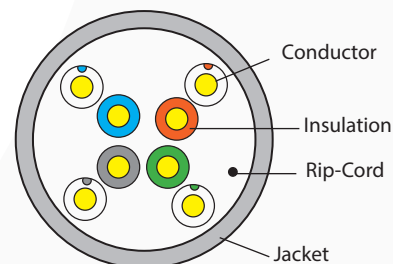


DIMENSION

33*33*30cm

LENGTH

300 ± 2.5 m



TECHNICAL PERFORMANCE(100M):

FREQUENCY (MHz)	RL ≥dB	ATT(20°) ≤dB	NEXT ≥dB	ACR ≥dB	FREQUENCY (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1.0	20.0	2.0	65.3	63.3	1.0	62.3	63.8	60.8
4.0	23.0	4.1	56.3	52.2	4.0	53.3	51.8	48.8
8.0	24.5	5.8	51.8	46.0	8.0	48.8	45.7	42.7
10.0	25.0	6.5	50.3	43.8	10.0	47.3	43.8	40.8
16.0	25.0	8.2	47.2	39.0	16.0	44.4	39.7	36.7
20.0	25.0	9.3	45.8	36.5	20.0	42.8	37.8	34.8
25.0	24.3	10.4	44.3	33.9	25.0	41.3	35.8	32.8
31.25	23.6	11.7	42.9	31.2	31.25	39.9	33.9	30.9
62.5	21.5	17.0	38.4	21.4	62.5	35.4	27.9	24.9
100	20.1	22.0	35.3	13.3	100	32.3	23.8	20.8

JACKET PHYSICAL PROPERTIES

JACKET

AGING				COLD BEND	
ITEM		AGING PERIOD	100°*24H*7D	COLD PERIOD	-20±2°C*4H
		Before Aging	After Aging	Bend Radius	8*Cable O.D.
PVC	Tensile Strength	≥13.5 Mpa	≥12.5 Mpa	No Visible Cracks	
	Elongation	≥150 %	≥125 %		
LSZH	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥125%	≥100%		
PE	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥350 %	≥350 %		

P/N	DESCRIPTION
UU5.50.PV - E	Cat5E U/UTP AWG24 PVC Jacket CPR class Eca
UU5.50.LS - E	Cat5E U/UTP AWG24 LSZH Jacket CPR class Eca
UU5.50.PE - E	Cat5E U/UTP AWG24 PE Jacket CPR class Eca
UU5.50.PVPE - F	Cat5E U/UTP AWG24 PVC + PE Jacket CPR class Fca
UU5.50.LS - D	Cat5E U/UTP AWG24 LSZH Jacket CPR class Fca

Special Jackets in accordance with customer's requirements

U/UTP CAT6 CABLE



ITEM NO.

- 6 U/UTP AWG23

TEST STANDARD

- ISO/IEC 11801, TIA/EIA 568C.2

CONDUCTOR

MATERIAL

- Solid Bare Copper

NOM.O.D.

- 0.55 ± 0.003 mm

INSULATION

MATERIAL

- HDPE

NOM.O.D.

- 1.00 ± 0.03 mm

JACKET

THICKNESS

- 0.55 ± 0.05 mm

EXTERNAL O.D.

- 6.0 ± 0.3 mm

MATERIAL

- PVC
- LSZH
- PE

COLOR

- As required

ELECTRICAL

CHARACTERISTICS (20)

- Impedance(Ω) 100 ± 15
- Delay Shew(ns/100m) ≤ 45
- NVP 69%
- Capacitance(nf/100m) ≤ 5.6
- Capacitance unbalanced ≤ 330 to-ground(pf/100m)
- DC Resistance(Ω /100m) ≤ 9.5
- DC Conductor Resistance ≤ 5.0 Unbalance(%)

RIP-CORD

- Yes

DRAIN WIRE

- No



PULL CARTON



DIMENSION

42*42*21cm

LENGTH

305 $\pm$ 1.5m

PLASTIC REEL & PULL CARTON



DIMENSION

33*26.5*34cm

LENGTH

305 $\pm$ 1.5m

WOODEN REEL & CARTON

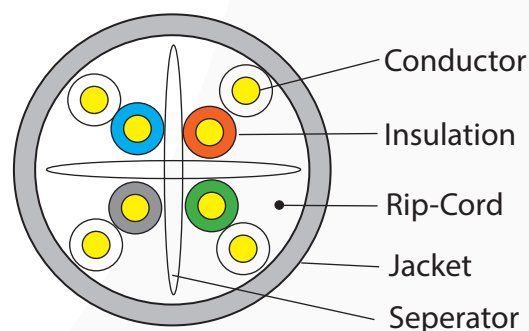


DIMENSION

31*31*27cm

LENGTH

305 $\pm$ 1.5m



TECHNICAL PERFORMANCE(100M):

FREQUENCY (MHz)	RL ≥dB	ATT(20°) ≤dB	NEXT ≥dB	ACR ≥dB	FREQUENCY (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1.0	20.0	2.0	74.3	72.3	1.0	72.3	67.8	64.8
4.0	23.0	3.8	65.3	61.5	4.0	63.3	55.8	52.8
8.0	24.5	5.3	60.8	55.5	8.0	58.8	49.7	46.7
10.0	25.0	6.0	59.3	53.3	10.0	57.3	47.8	44.8
16.0	25.0	7.6	56.2	48.6	16.0	54.2	43.7	40.7
20.0	25.0	8.5	54.8	46.3	20.0	52.8	41.8	38.8
25.0	24.3	9.5	53.3	43.8	25.0	41.3	39.8	36.8
31.25	23.6	10.7	51.9	41.2	31.25	49.9	37.9	34.9
62.5	21.5	15.4	47.4	32.0	62.5	45.4	31.9	28.9
100	20.1	19.8	44.3	24.5	100	42.3	27.8	24.8
200	18.0	29.0	39.8	10.8	200	37.8	21.8	18.8
250	17.3	32.8	38.3	5.5	250	36.3	19.8	16.8

JACKET PHYSICAL PROPERTIES

JACKET

AGING				COLD BEND	
ITEM	AGING PERIOD	100°*24H*7D		COLD PERIOD	-20±2°C*4H
	Before Aging	After Aging		Bend Radius	8*Cable O.D.
PVC	Tensile Strength	≥13.5 Mpa	≥12.5 Mpa	No Visible Cracks	
	Elongation	≥150 %	≥125 %		
LSZH	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥125%	≥100%		
PE	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥350 %	≥350 %		

P/N	DESCRIPTION
UU6.55.PV - E	Cat6 U/UTP AWG23 PVC Jacket CPR class Eca
UU6.55.LS - E	Cat6 U/UTP AWG23 LSZH Jacket CPR class Eca
UU6.55.PE - E	Cat6 U/UTP AWG23 PE Jacket CPR class Eca
UU6.55.PVPE - F	Cat6 U/UTP AWG23 PVC + PE Jacket CPR class Fca
UU6.55.LS - D	Cat6 U/UTP AWG23 PE Jacket CPR class Fca

Special Jackets in accordance with customer's requirements

F/UTP CAT6 CABLE



ITEM NO.

- 6 F/UTP AWG23

TEST STANDARD

- ISO/IEC 11801, TIA/EIA 568C.2

CONDUCTOR

MATERIAL

- Solid Bare Copper

NOM.O.D.

- $0.57 \pm 0.003\text{mm}$

INSULATION

MATERIAL

- HDPE

NOM.O.D.

- $1.09 \pm 0.03\text{mm}$

SHIELD

Al Foil

JACKET

THICKNESS

- $0.60 \pm 0.05\text{mm}$

EXTERNAL O.D.

- $7.3 \pm 0.3\text{mm}$

MATERIAL

- PVC
- LSZH
- PE

COLOR

- As required

ELECTRICAL

CHARACTERISTICS (20)

- Impedance(Ω) 100 ± 15
- Delay Shew(ns/100m) ≤ 45
- NVP 74%
- Capacitance(nf/100m) ≤ 5.6
- Capacitance unbalanced ≤ 330 to-ground(pf/100m)
- DC Resistance(Ω /100m) ≤ 9.38
- DC Conductor Resistance ≤ 5.0 Unbalance(%)

RIP-CORD

- Yes

DRAIN WIRE

- 0.40TC



PLASTIC REEL & PULL CARTON



DIMENSION

38.5*31*38.5cm

LENGTH

305 $\pm$ 1.5m

WOODEN REEL & CARTON

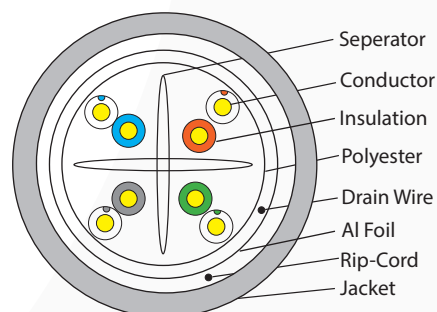
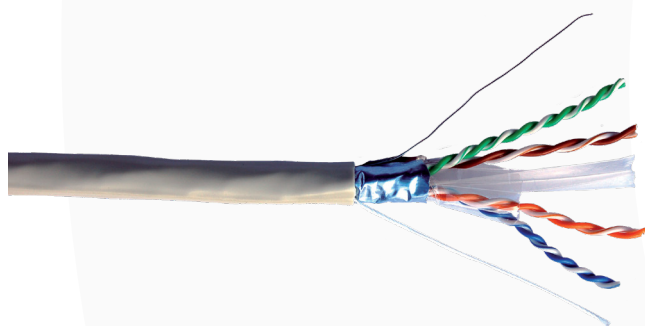


DIMENSION

36*36*33cm

LENGTH

305 $\pm$ 1.5m



TECHNICAL PERFORMANCE(100M):

FREQUENCY (MHz)	RL ≥dB	ATT(20°) ≤dB	NEXT ≥dB	ACR ≥dB	FREQUENCY (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1.0	20.0	2.0	74.3	72.3	1.0	72.3	67.8	64.8
4.0	23.0	3.8	65.3	61.5	4.0	63.3	55.8	52.8
8.0	24.5	5.3	60.8	55.5	8.0	58.8	49.7	46.7
10.0	25.0	6.0	59.3	53.3	10.0	57.3	47.8	44.8
16.0	25.0	7.6	56.2	48.6	16.0	54.2	43.7	40.7
20.0	25.0	8.5	54.8	46.3	20.0	52.8	41.8	38.8
25.0	24.3	9.5	53.3	43.8	25.0	41.3	39.8	36.8
31.25	23.6	10.7	51.9	41.2	31.25	49.9	37.9	34.9
62.5	21.5	15.4	47.4	32.0	62.5	45.4	31.9	28.9
100	20.1	19.8	44.3	24.5	100	42.3	27.8	24.8
200	18.0	29.0	39.8	10.8	200	37.8	21.8	18.8
250	17.3	32.8	38.3	5.5	250	36.3	19.8	16.8

JACKET PHYSICAL PROPERTIES

JACKET

AGING				COLD BEND	
ITEM	AGING PERIOD	100°*24H*7D		COLD PERIOD	-20±2°C*4H
	Before Aging	After Aging		Bend Radius	8*Cable O.D.
PVC	Tensile Strength	≥13.5 Mpa	≥12.5 Mpa	No Visible Cracks	
	Elongation	≥150 %	≥125 %		
LSZH	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥125%	≥100%		
PE	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥350 %	≥350 %		

P/N	DESCRIPTION
FU6.57.PV - E	Cat6 F/UTP AWG23 PVC Jacket CPR class Eca
FU6.57.LS - E	Cat6 F/UTP AWG23 LSZH Jacket CPR class Eca
FU6.57.PE - E	Cat6 F/UTP AWG23 PE Jacket CPR class Eca
FU6.57.PVPE - F	Cat6 F/UTP AWG23 PVC + PE Jacket CPR class Fca
FU6.57.LS - D	Cat6 F/UTP AWG23 LSZH Jacket CPR class Fca

Special Jackets in accordance with customer's requirements

SF/UTP CAT6 CABLE



ITEM NO.

- 6 SF/UTP AWG23

TEST STANDARD

- ISO/IEC 11801, TIA/EIA 568C.2

CONDUCTOR

MATERIAL

- Solid Bare Copper

NOM.O.D.

- 0.57 ± 0.003 mm

INSULATION

MATERIAL

- HDPE

NOM.O.D.

- 1.09 ± 0.03 mm

SHIELD

- Al Foil

BRAID

- TC/Al Wire

JACKET

THICKNESS

- 0.60 ± 0.05 mm

EXTERNAL O.D.

- 7.5 ± 0.3 mm

MATERIAL

- PVC
- LSZH
- PE

COLOR

- As required

ELECTRICAL

CHARACTERISTICS (20)

- Impedance(Ω) 100 ± 15
- Delay Shew(ns/100m) ≤ 45
- NVP 69%
- Capacitance(nf/100m) ≤ 5.6
- Capacitance unbalanced ≤ 330 to-ground(pf/100m)
- DC Resistance(Ω /100m) ≤ 9.38
- DC Conductor Resistance ≤ 5.0 Unbalance(%)

RIP-CORD

- Yes

DRAIN WIRE

- No



PLASTIC REEL & PULL CARTON



DIMENSION

38.5*31*38.5cm

LENGTH

305 $\pm$ 1.5m

WOODEN REEL & CARTON

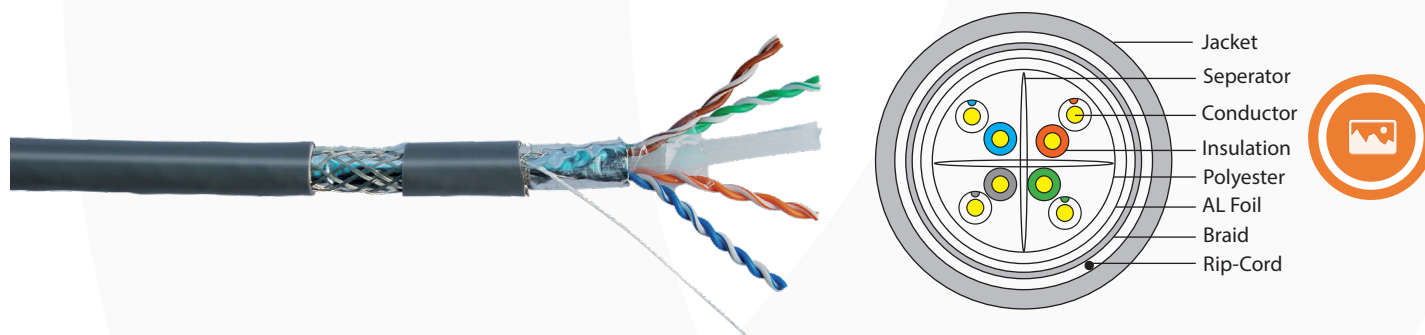


DIMENSION

36*36*33cm

LENGTH

305 $\pm$ 1.5m



TECHNICAL PERFORMANCE(100M):

FREQUENCY (MHz)	RL ≥dB	ATT(20°) ≤dB	NEXT ≥dB	ACR ≥dB	FREQUENCY (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1.0	20.0	2.0	74.3	72.3	1.0	72.3	67.8	64.8
4.0	23.0	3.8	65.3	61.5	4.0	63.3	55.8	52.8
8.0	24.5	5.3	60.8	55.5	8.0	58.8	49.7	46.7
10.0	25.0	6.0	59.3	53.3	10.0	57.3	47.8	44.8
16.0	25.0	7.6	56.2	48.6	16.0	54.2	43.7	40.7
20.0	25.0	8.5	54.8	46.3	20.0	52.8	41.8	38.8
25.0	24.3	9.5	53.3	43.8	25.0	41.3	39.8	36.8
31.25	23.6	10.7	51.9	41.2	31.25	49.9	37.9	34.9
62.5	21.5	15.4	47.4	32.0	62.5	45.4	31.9	28.9
100	20.1	19.8	44.3	24.5	100	42.3	27.8	24.8
200	18.0	29.0	39.8	10.8	200	37.8	21.8	18.8
250	17.3	32.8	38.3	5.5	250	36.3	19.8	16.8

JACKET PHYSICAL PROPERTIES

JACKET

AGING				COLD BEND	
ITEM	AGING PERIOD	100°*24H*7D		COLD PERIOD	-20±2°C*4H
		Before Aging	After Aging	Bend Radius	8*Cable O.D.
PVC	Tensile Strength	≥13.5 Mpa	≥12.5 Mpa	No Visible Cracks	
	Elongation	≥150 %	≥125 %		
LSZH	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥125%	≥100%		
PE	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥350 %	≥350 %		

P/N	DESCRIPTION
SFU6.57.PV - E	Cat6 SF/UTP AWG23 PVC Jacket CPR class Eca
SFU6.57.LS - E	Cat6 SF/UTP AWG23 LSZH Jacket CPR class Eca
SFU6.57.PE - E	Cat6 SF/UTP AWG23 PE Jacket CPR class Eca

Special Jackets in accordance with customer's requirements

F/FTP CAT6A CABLE



ITEM NO.

- 6A F/FTP AWG23

TEST STANDARD

- ISO/IEC 11801, TIA/EIA 568C.2

CONDUCTOR

MATERIAL

- Solid Bare Copper

NOM.O.D.

- 0.56 ± 0.003 mm

INSULATION

MATERIAL

- Skin-foam-Skin PE

NOM.O.D.

- 1.35 ± 0.05 mm

SHIELD

- Al Foil

JACKET

THICKNESS

- 0.55 ± 0.05 mm

EXTERNAL O.D.

- 7.5 ± 0.3 mm

MATERIAL

- PVC
- LSZH
- PE

COLOR

- As required

ELECTRICAL

CHARACTERISTICS (20)

- Impedance(Ω) 100 ± 15
- Delay Shew(ns/100m) ≤ 45
- NVP 74%
- Capacitance(nf/100m) ≤ 5.6
- Capacitance unbalanced ≤ 330 to-ground(pf/100m)
- DC Resistance(Ω /100m) ≤ 9.38
- DC Conductor Resistance ≤ 2.0 Unbalance(%)

RIP-CORD

- Yes

DRAIN WIRE

0.40TC



PLASTIC REEL & PULL CARTON



DIMENSION

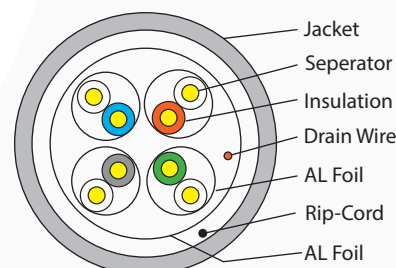
38.5*31*38.5cm

LENGTH

305 $\pm$ 1.5m

WOODEN REEL & CARTON





TECHNICAL PERFORMANCE(100M):

FREQUENCY (MHz)	RL ≥dB	ATT(20°) ≤dB	NEXT ≥dB	PSNEXT ≥dB	ACR-F ≥dB	PS ACR-F ≥dB	PS ANEXT ≥dB	PS AACR-F ≥dB
1.0	20.0	2.1	74.3	72.3	67.8	64.8	67.0	67.0
4.0	23.0	3.8	65.3	63.3	55.8	52.8	67.0	66.2
10.0	25.0	5.9	59.3	57.3	47.8	44.8	67.0	58.2
16.0	25.0	7.5	56.2	54.2	43.7	40.7	67.0	54.1
20.0	25.0	8.4	54.8	52.8	41.8	38.8	67.0	52.2
31.25	23.6	10.5	51.9	49.9	37.9	34.9	67.0	48.3
62.5	21.5	15.0	47.7	45.4	31.9	28.9	65.6	42.3
100	20.1	19.1	44.3	42.3	27.7	24.8	62.5	38.2
200	18.0	27.6	39.8	37.8	21.8	18.8	58.0	32.2
250	17.3	31.1	38.3	36.3	19.8	16.8	56.5	30.2
300	16.8	34.3	27.1	35.1	18.3	15.3	55.3	28.7
500	15.2	45.3	33.8	31.8	13.8	10.8	52.0	24.2

JACKET PHYSICAL PROPERTIES

JACKET

AGING				COLD BEND	
ITEM		AGING PERIOD	100°*24H*7D	COLD PERIOD	-20±2°C*4H
		Before Aging	After Aging	Bend Radius	8*Cable O.D.
PVC	Tensile Strength	≥13.5 Mpa	≥12.5 Mpa	No Visible Cracks	
	Elongation	≥150 %	≥125 %		
LSZH	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥125%	≥100%		
PE	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥350 %	≥350 %		

P/N	DESCRIPTION
FFU6A.56.PV - E	Cat6A F/FTP AWG23 PVC Jacket
FFU6A.56.LS - E	Cat6A F/FTP AWG23 LSZH Jacket CPR class Eca
FFU6A.56.PE - F	Cat6A F/FTP AWG23 PE Jacket CPR class Fca
FFU6A.56.PVPE - F	Cat6A F/FTP AWG23 PVAC+PE Jacket CPR class Eca

Special Jackets in accordance with customer's requirements

U/FTP CAT6A CABLE



ITEM NO.

- 6A U/FTP AWG23

TEST STANDARD

- ISO/IEC 11801, TIA/EIA 568C.2

CONDUCTOR

MATERIAL

- Solid Bare Copper

NOM.O.D.

- 0.56 ± 0.005 mm

INSULATION

MATERIAL

- Skin-foam-Skin PE

NOM.O.D.

- 1.06 ± 0.05 mm

SHIELD

- Al Foil

JACKET

THICKNESS

- 0.55 ± 0.05 mm

EXTERNAL O.D.

- 7.5 ± 0.3 mm

MATERIAL

- PVC
- LSZH
- PE

COLOR

- As required

ELECTRICAL

CHARACTERISTICS (20)

- Impedance(Ω) 100 ± 15
- Delay Shew(ns/100m) ≤ 45
- NVP 74%
- Capacitance(nf/100m) ≤ 5.6
- Capacitance unbalanced ≤ 330 to-ground(pf/100m)
- DC Resistance(Ω /100m) ≤ 9.38
- DC Conductor Resistance ≤ 2.0 Unbalance(%)

RIP-CORD

- Yes

DRAIN WIRE

0.40TC



WOODEN REEL & CARTON



DIMENSION

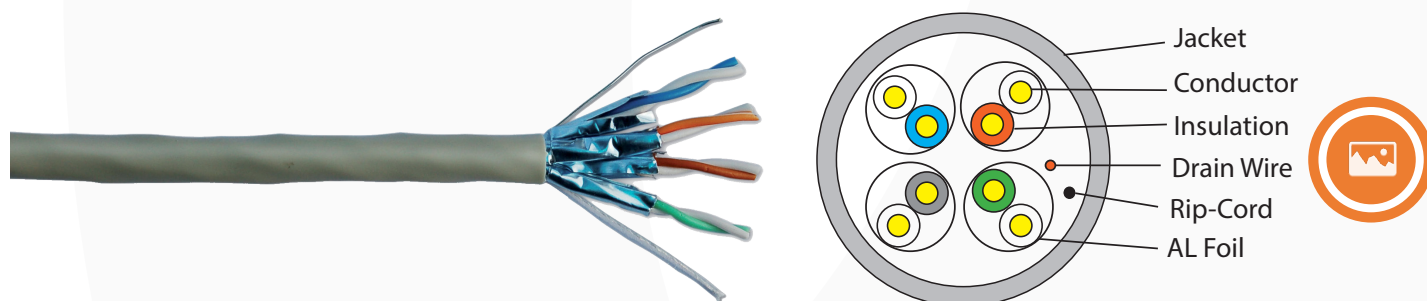
35*35*36cm

LENGTH

305 $\pm$ 1.5m

WOODEN REEL & CARTON





TECHNICAL PERFORMANCE(100M):

FREQUENCY (MHz)	RL ≥dB	ATT(20°) ≤dB	NEXT ≥dB	PSNEXT ≥dB	ACR-F ≥dB	PS ACR-F ≥dB	PS ANEXT ≥dB	PS AACR-F ≥dB
1.0	20.0	2.1	74.3	72.3	67.8	64.8	67.0	67.0
4.0	23.0	3.8	65.3	63.3	55.8	52.8	67.0	66.2
10.0	25.0	5.9	59.3	57.3	47.8	44.8	67.0	58.2
16.0	25.0	7.5	56.2	54.2	43.7	40.7	67.0	54.1
20.0	25.0	8.4	54.8	52.8	41.8	38.8	67.0	52.2
31.25	23.6	10.5	51.9	49.9	37.9	34.9	67.0	48.3
62.5	21.5	15.0	47.7	45.4	31.9	28.9	65.6	42.3
100	20.1	19.1	44.3	42.3	27.7	24.8	62.5	38.2
200	18.0	27.6	39.8	37.8	21.8	18.8	58.0	32.2
250	17.3	31.1	38.3	36.3	19.8	16.8	56.5	30.2
300	16.8	34.3	27.1	35.1	18.3	15.3	55.3	28.7
500	15.2	45.3	33.8	31.8	13.8	10.8	52.0	24.2

JACKET PHYSICAL PROPERTIES

JACKET

AGING				COLD BEND	
ITEM		AGING PERIOD	100°*24H*7D	COLD PERIOD	-20±2°C*4H
		Before Aging	After Aging	Bend Radius	8*Cable O.D.
PVC	Tensile Strength	≥13.5 Mpa	≥12.5 Mpa	No Visible Cracks	
	Elongation	≥150 %	≥125 %		
LSZH	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥125%	≥100%		
PE	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥350 %	≥350 %		

P/N	DESCRIPTION
UF6A.56.PV - E	Cat6A U/FTP AWG23 PVC Jacket
UF6A.56.LS - E	Cat6A U/FTP AWG23 LSZH Jacket CPR class Eca
UF6A.56.PE - F	Cat6A U/FTP AWG23 PE Jacket CPR class Fca
UF6A.56.PVPE - F	Cat6A U/FTP AWG23 PVAC+PE Jacket CPR class Eca

Special Jackets in accordance with customer's requirements

U/UTP CAT6A CABLE



ITEM NO.

- 6A U/UTP AWG23

TEST STANDARD

- ISO/IEC 11801, TIA/EIA 568C.2

CONDUCTOR

MATERIAL

- Solid Bare Copper

NOM.O.D.

- 0.575 ± 0.003 mm

INSULATION

MATERIAL

- HDPE

NOM.O.D.

- 1.05 ± 0.03 mm

JACKET

THICKNESS

- 0.70 ± 0.05 mm

EXTERNAL O.D.

- 7.5 ± 0.3 mm

MATERIAL

- PVC
- LSZH
- PE

COLOR

- As required

ELECTRICAL

CHARACTERISTICS (20)

- Impedance(Ω) 100 ± 15
- Delay Shew(ns/100m) ≤ 45
- NVP 69%
- Capacitance(nf/100m) ≤ 5.6
- DC Resistance(Ω /100m) ≤ 9.5
- DC Conductor Resistance ≤ 5.0 Unbalance(%)

RIP-CORD

- Yes

DRAIN WIRE

No



WOODEN REEL & CARTON



DIMENSION

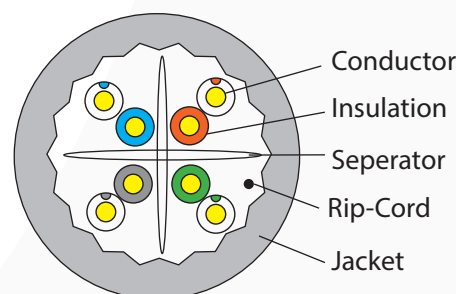
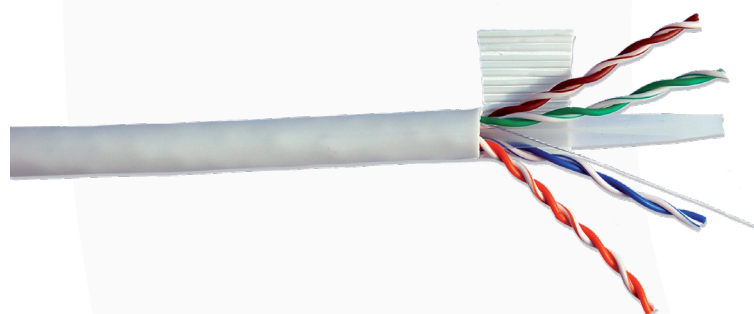
35*35*36cm

LENGTH

305 $\pm$ 1.5m

WOODEN REEL & CARTON





TECHNICAL PERFORMANCE(100M):

FREQUENCY (MHz)	RL ≥dB	ATT(20°) ≤dB	NEXT ≥dB	PSNEXT ≥dB	ACR-F ≥dB	PS ACR-F ≥dB	PS ANEXT ≥dB	PS AACR-F ≥dB
1.0	20.0	2.1	74.3	72.3	67.8	64.8	67.0	67.0
4.0	23.0	3.8	65.3	63.3	55.8	52.8	67.0	66.2
10.0	25.0	5.9	59.3	57.3	47.8	44.8	67.0	58.2
16.0	25.0	7.5	56.2	54.2	43.7	40.7	67.0	54.1
20.0	25.0	8.4	54.8	52.8	41.8	38.8	67.0	52.2
31.25	23.6	10.5	51.9	49.9	37.9	34.9	67.0	48.3
62.5	21.5	15.0	47.7	45.4	31.9	28.9	65.6	42.3
100	20.1	19.1	44.3	42.3	27.7	24.8	62.5	38.2
200	18.0	27.6	39.8	37.8	21.8	18.8	58.0	32.2
250	17.3	31.1	38.3	36.3	19.8	16.8	56.5	30.2
300	16.8	34.3	27.1	35.1	18.3	15.3	55.3	28.7
500	15.2	45.3	33.8	31.8	13.8	10.8	52.0	24.2

JACKET PHYSICAL PROPERTIES

JACKET				
AGING			COLD BEND	
ITEM	AGING PERIOD	100°*24H*7D	COLD PERIOD	-20±2°C*4H
	Before Aging	After Aging	Bend Radius	8*Cable O.D.
PVC	Tensile Strength	≥13.5 Mpa	No Visible Cracks	
	Elongation	≥150 %		
LSZH	Tensile Strength	≥10.0 Mpa	No Visible Cracks	
	Elongation	≥125%		
PE	Tensile Strength	≥10.0 Mpa	No Visible Cracks	
	Elongation	≥350 %		

P/N	DESCRIPTION
UU6A.57.PV - E	Cat6A U/UTP AWG23 PVC Jacket
UU6A.57.LS - E	Cat6A U/UTP AWG23 LSZH Jacket CPR class Eca
UU6A.57.PE - F	Cat6A U/UTP AWG23 PE Jacket CPR class Fca
UU6A.57.PVPE - F	Cat6A U/UTP AWG23 PVAC+PE Jacket CPR class Eca
UU6A.57.LS - D	Cat6A U/UTP AWG23 LSZH Jacket CPR class Eca

Special Jackets in accordance with customer's requirements

S/FTP CAT7 CABLE



ITEM NO.

- 7 SF/UTP AWG23

TEST STANDARD

- ISO/IEC 11801, TIA/EIA 568C.2

CONDUCTOR

MATERIAL

- Solid Bare Copper

NOM.O.D.

- 0.56 ± 0.003 mm

INSULATION

MATERIAL

- Skin-foam-Skin PE

NOM.O.D.

- 1.35 ± 0.05 mm

SHIELD

- Al Foil

BRAID

- TC/Al Wire

JACKET

THICKNESS

- 0.60 ± 0.05 mm

EXTERNAL O.D.

- 7.5 ± 0.3 mm

MATERIAL

- PVC • LSZH • PE

COLOR

- According to Requires

RIP-CORD

- Yes

DRAIN WIRE

- No

ELECTRICAL

CHARACTERISTICS (20)

IMPEDANCE(Ω)

100 $\pm$ 15 100 $\pm$ 15

100-250MHz 100 $\pm$ 18

250-600MHz 100 $\pm$ 25

- Delay Shew(ns/100m) ≤ 25

- NVP 74%

- Capacitance(nf/100m) ≤ 5.6

- Capacitance unbalanced ≤ 330 to-ground(pf/100m)

- DC Resistance(Ω /100m) ≤ 9.5

- DC Conductor Resistance ≤ 2.0 Unbalance(%)



WOODEN REEL & CARTON



DIMENSION

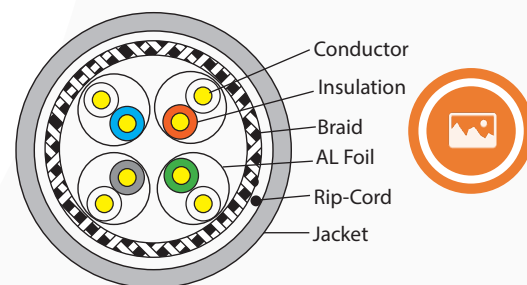
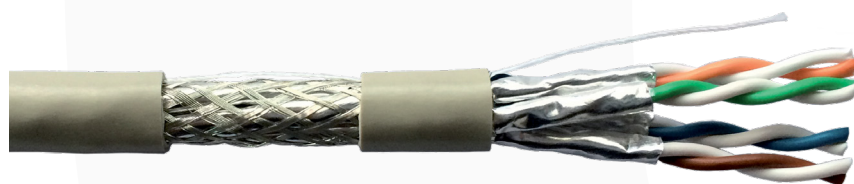
37*37*36cm

LENGTH

305 $\pm$ 1.5m

WOODEN REEL & CARTON





TECHNICAL PERFORMANCE(100M):

FREQUENCY (MHz)	RL ≥dB	ATT(20°) ≤dB	NEXT ≥dB	ACR ≥dB	FREQUENCY (MHz)	ACR ≥dB	ACR-F ≥dB	PS ACR-F ≥dB
1.0	20.0	2.0	78.0	75.0	1.0	76.0	78.0	75.0
4.0	23.0	3.7	78.0	75.0	4.0	74.3	78.0	75.0
10.0	25.0	5.9	78.0	75.0	10.0	72.1	74.0	71.0
16.0	25.0	7.4	78.0	75.0	16.0	70.6	69.9	66.9
20.0	25.0	8.3	78.0	75.0	20.0	69.7	68.0	65.0
31.25	23.6	10.4	78.0	75.0	31.25	67.6	64.1	61.1
62.5	21.5	14.9	75.5	72.5	62.5	60.6	58.1	55.1
100	20.1	19.0	72.4	69.4	100	53.4	54.0	51.0
200	18.0	27.5	67.9	64.9	200	46.2	50.2	45.0
250	17.3	31.0	66.4	63.4	250	40.4	46.0	43.0
300	17.3	34.2	65.2	62.2	300	31.0	44.5	41.5
600	17.3	50.1	60.7	57.7	600	10.6	38.4	35.4

JACKET PHYSICAL PROPERTIES

JACKET

AGING				COLD BEND	
ITEM	AGING PERIOD	100°*24H*7D		COLD PERIOD	-20±2°C*4H
	Before Aging	After Aging		Bend Radius	8*Cable O.D.
PVC	Tensile Strength	≥13.5 Mpa	≥12.5 Mpa	No Visible Cracks	
	Elongation	≥150 %	≥125 %		
LSZH	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥125%	≥100%		
PE	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥350 %	≥350 %		

P/N	DESCRIPTION
SF7.57.PV	Cat7 S/FTP AWG23 PVC Jacket
SF7.57.LS - E	Cat7 S/FTP AWG23 LSZH Jacket CPR class Eca
SF7.57.PE - F	Cat7 S/FTP AWG23 PE Jacket CPR class Fca

Special Jackets in accordance with customer's requirements

COAXIAL CABLE

THE FIRST RANGE OF CABLE DEVELOPED BY AFSON CABLE AND WIRE IN THE 90S

All are products are supplied with individual test certificate and packaging can be customised to specific requirements..

During the 1990's Afson Cable and Wire started producing and developing Coaxial Cable. This long experience blings prestige to our name in terms of service and guaranteed quality.

We are fully focused to the needs of the market from the electrical chain to antenna specialists with a wide range of quality certifications developed throughout the years also thanks to the strong relationships with primary market players.

We can provide a full range of OEM cable for CATV and CCTV with different kind of impedance and shielding and can develop special features and data ranges to meet customer and special environment requests.

COAXIAL MENU

2RG6+2CAT5E - 3C2V CABLE	112/113
2RG6+2CAT5E - 17VATC CLASS A CABLE	114/115
17VATC CABLE - 19VATC CLASS A CABLE	116/117
19VATC CABLE - 21VATC CLASS A CABLE	118/119
21VATC CABLE - 412 CABLE	120/121
500 CABLE - 540 CABLE	122/123
CT100 CABLE - CT125 CABLE	124/125
KX6 CABLE - KX6 WITH POWER CABLEAB	126/127
KX8 CABLE - RG6+CAT5E	128/129
RG6 CABLE - RG6+POWER CABLE	130/131
RG8/U CABLE CABLE - RG11 CABLE	132/133
RG8 CABLE - RG59+ CAT5E	134/135
RG59/U CABLE RG5 - RG59/U WITH POWER CABLE	136/137
RG59 CABLE	138
RG59/U WITH POWER CABLE CPR CLASS ECA	139
RG59 + POWER CABLE + CATE - RG174/U CABLE	140/141
RG213/U CABLE - RG6 DUAL CA	142/143

2RG6+2CAT5E



PHYSICAL DIMENSIONS

COMPONENT	2*RG6		2*CAT5E
CONDUCTOR	Material Dia. (mm)	CCS/BC 1.02±0.01	BC 0.50±0.01
DIELECTRIC	Material Dia. (mm)	Foam PE 4.57±0.10	HDPE 0.90±0.03
SHIELDING	Material Coverage	(Al Foil + Al Braid)*2 95%	No
INNER JACKET	Material Dia. (mm)	PVC 7.54±0.10	PVC 5.0±0.10
OUTER JACKET	Material Thickness (mm)	PVC 0.80±0.10	

ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	75±3	100±15
VELOCITY OF PROPAGATION	83%	69%
CAPACITANCE(PF/M)	53.1	5.6

NOMINAL ATTENUATION [@ 68° F. (20° C)]

RG6

CAT5E

FREQUENCY	ATTENUATION	FREQUENCY	ATTENUATION
(MHZ)	(DB/100M)	(MHZ)	(DB/100M)
5	2.20	1.0	2.0
55	5.25	4.0	4.1
211	9.42	10.0	6.5
300	11.25	20.0	9.3
400	13.12	25.0	10.4
550	15.45	31.25	11.7
750	18.34	62.5	17.0
1000	21.46	100	20.1

3C2V CABLE



PHYSICAL DIMENSIONS

COMPONENT		3C-2V
CONDUCTOR	Material Dia. (mm)	BC 0.50±0.01
DIELECTRIC	Material Dia. (mm)	Solid PE 2.90±0.10
SHIELD	Material Coverage	(BC Braid) 40%-95%
JACKET	Material Dia. (mm)	PVC 5.00±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	53
STRUCTURAL RETURN LOSS(≥DB)	20

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY (MHZ)	ATTENUATION (DB/100M)
10	1.3
10	4.3
30	7.5
200	20.0

We Can Offer Same As Per Customer's Requirement For Option! Mainly We Can Offer Wooden Drum, Plastic Drum, Pallet For Choice. Any Other Packing Requirement Can Be Acceptable.

5C2V CABLE



PHYSICAL DIMENSIONS

COMPONENT		5C-2V
CONDUCTOR	Material Dia. (mm)	BC 1.00±0.01
DIELECTRIC	Material Dia. (mm)	Solid PE 4.80±0.10
SHIELD	Material Coverage	(BC Braid) 40%-95%
JACKET	Material Dia. (mm)	PVC 6.65±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	53
STRUCTURAL RETURN LOSS(≥DB)	20

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY (MHZ)	ATTENUATION (DB/100M)
10	0.8
10	2.7
30	4.7
200	12.6

17VATC CLASS A CABLE *CPR Class Eca*



PHYSICAL DIMENSIONS

COMPONENT		17VATC CLASS A
CONDUCTOR	Material Dia. (mm)	CCS/BC 1.13±0.01
DIELECTRIC	Material Dia. (mm)	FOAM PE 4.85±0.10
SHIELD	Material Coverage	Al Foil + Al Braid + Al Foil 40%-95%
JACKET	Material Dia. (mm)	PVC/PE 7.06±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	53
STRUCTURAL RETURN LOSS(≥DB)	20

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY (MHZ)	ATTENUATION (DB/100M)
5	1.5
50	4.3
100	5.9
200	8.4
400	12.0
800	17.5
862	18.3
950	19.2

17VATC CABLE *CPR Class Eca*



PHYSICAL DIMENSIONS

COMPONENT		17VATC
CONDUCTOR	Material Dia. (mm)	CCS/BC 1.13±0.01
DIELECTRIC	Material Dia. (mm)	FOAM PE 4.85±0.10
SHIELD	Material Coverage	Al Foil + Al Braid + Al Foil 40%-95%
JACKET	Material Dia. (mm)	PVC/PE 6.80±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	53
STRUCTURAL RETURN LOSS(≥DB)	20

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY (MHZ)	ATTENUATION (DB/100M)
5	1.5
50	4.3
100	5.9
200	8.4
400	12.0
800	17.5
862	18.3
950	19.2
1350	23.3
1750	27.0
2150	30.6
3000	36.8

19VATC CLASS A CABLE *CPR Class Eca*



PHYSICAL DIMENSIONS

COMPONENT		19VATC CLASS A
CONDUCTOR	Material Dia. (mm)	CCS/BC 1.02±0.01
DIELECTRIC	Material Dia. (mm)	FOAM PE 4.65±0.10
SHIELD	Material Coverage	Al Foil + Al Braid + Al Foil 40%-95%
JACKET	Material Dia. (mm)	PVC/PE 7.06±0.10

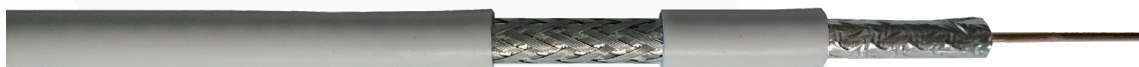
ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	53.1
STRUCTURAL RETURN LOSS(≥DB)	20

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY (MHZ)	ATTENUATION (DB/100M)
5	1.8
50	4.6
100	7.1
200	9.0
400	13.0
800	19.0
862	19.8
950	20.9
1350	25.5
1750	29.60
2150	33.4
3000	40.6

19VATC CABLE *CPR Class Eca*



PHYSICAL DIMENSIONS

COMPONENT		19VATC
CONDUCTOR	Material Dia. (mm)	CCS/BC 1.02±0.01
DIELECTRIC	Material Dia. (mm)	FOAM PE 4.65±0.10
SHIELD	Material Coverage	Al Foil + Al Braid + Al Foil 40%-95%
JACKET	Material Dia. (mm)	PVC/PE 6.80±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	53.1
STRUCTURAL RETURN LOSS(≥DB)	20

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY (MHZ)	ATTENUATION (DB/100M)
5	1.8
50	4.6
100	7.1
200	9.0
400	13.0
800	19.0
862	19.8
950	20.9
1350	25.5
1750	29.60
2150	33.4
3000	40.6

21VATC CLASS A CABLE *CPR Class Eca*



PHYSICAL DIMENSIONS

COMPONENT		21VATC CLASS A
CONDUCTOR	Material Dia. (mm)	CCS/BC 0.80±0.01
DIELECTRIC	Material Dia. (mm)	FOAM PE 3.50±0.10
SHIELD	Material Coverage	FOAM PE 3.50±0.10
JACKET	Material Dia. (mm)	PVC/PE 5.50±0.10

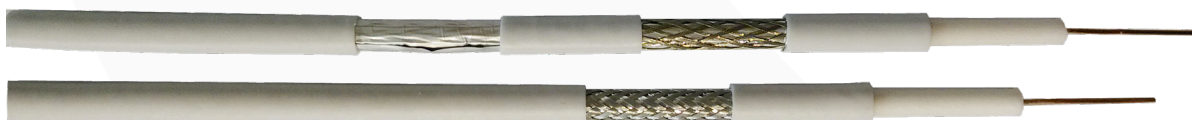
ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	53.1
STRUCTURAL RETURN LOSS($\geq$ DB)	20

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY (MHZ)	ATTENUATION (DB/100M)
10	3.0
50	5.9
100	8.0
200	12.3
400	16.5
800	23.0
862	23.3
1000	26.8
1350	31.5
1750	36.2
2150	40.4
2400	42.5
2700	45.2

21VATC CABLE *CPR Class Eca*



PHYSICAL DIMENSIONS

COMPONENT		21VATC
CONDUCTOR	Material Dia. (mm)	CCS/BC 0.80±0.01
DIELECTRIC	Material Dia. (mm)	FOAM PE 3.50±0.10
SHIELD	Material Coverage	Al Foil + Al Braid 40%-95%
JACKET	Material Dia. (mm)	PVC/PE 5.10±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	53.1
STRUCTURAL RETURN LOSS(≥DB)	20

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY (MHZ)	ATTENUATION (DB/100M)
10	3.0
50	5.9
100	8.0
200	12.3
400	16.5
800	23.0
862	23.3
1000	26.8
1350	31.5
1750	36.2
2150	40.4
2400	42.5
2700	45.2

412 CABLE



PHYSICAL DIMENSIONS

COMPONENT		412
CONDUCTOR	Material Dia. (mm)	CCA 2.24±0.02
DIELECTRIC	Material Dia. (mm)	FOAM PE 9.19±0.15
SHIELD	Material Dia. (mm)	Al Tube 9.90±0.10
JACKET	Material Dia. (mm)	PE 11.90±0.20
MESSENGER(Optional)	Material Dia. (mm)	Galvanized Steel 2.77±0.01

MECHANICAL CHARACTERISTICS

MINIMUM BREAKING STRENGTH OF MESSENGER	816kgf
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ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	75±2
VELOCITY OF PROPAGATION	87%
CAPACITANCE(pF/M)	50
SHIELDING EFFECTIVENESS(≥DB)	100

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY (MHZ)	ATTENUATION (DB/100M)
55	2.10
211	4.43
300	5.35
400	6.24
500	7.06
600	7.75
750	8.70
865	9.32
1000	10.01

We Can Offer Same As Per Customer's Requirement For Option! Mainly We Can Offer Wooden Drum, Plastic Drum, Pallet For Choice. Any Other Packing Requirement Can Be Acceptable.

500 CABLE



PHYSICAL DIMENSIONS

COMPONENT		500
CONDUCTOR	Material Dia. (mm)	CCA 2.77±0.02
DIELECTRIC	Material Dia. (mm)	FOAM PE 11.50±0.15
SHIELD	Material Coverage	Al Tube 12.20±0.10
JACKET	Material Dia. (mm)	PE 14.50±0.20
MESSENGER	Material Dia. (mm)	Galvanized Steel 2.77±0.01

MECHANICAL CHARACTERISTICS

MINIMUM BREAKING STRENGTH OF MESSENGER	816kgf
--	--------

ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	75±2
VELOCITY OF PROPAGATION	87%
CAPACITANCE(PF/M)	50
SHIELDING EFFECTIVENESS(≥DB)	100

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY (MHZ)	ATTENUATION (DB/100M)
55	1.77
211	3.58
300	4.07
400	5.02
500	5.67
600	6.27
750	7.09
865	7.68
1000	8.27

540 CABLE



PHYSICAL DIMENSIONS

COMPONENT		540
CONDUCTOR	Material Dia. (mm)	CCA 3.15±0.03
DIELECTRIC	Material Dia. (mm)	Foam PE 13.03±0.30
SHIELD	Material Coverage	Al Tube 13.72±0.20
JACKET	Material Dia. (mm)	PE 15.50±0.20

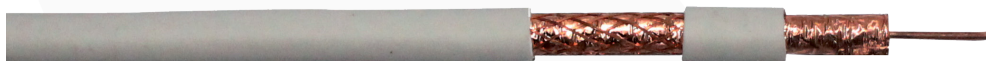
ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	75±2
VELOCITY OF PROPAGATION	87%
CAPACITANCE(PF/M)	50
SHIELDING EFFECTIVENESS(≥DB)	100

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY (MHZ)	ATTENUATION (DB/100M)
5	0.46
55	1.54
211	3.12
300	3.71
400	4.33
500	4.89
600	5.38
750	6.07
865	6.65
1000	7.12

CT100 CABLE *CPR Class Eca*



PHYSICAL DIMENSIONS

COMPONENT		CT100
CONDUCTOR	Material Dia. (mm)	BC 1.00±0.01
DIELECTRIC	Material Dia. (mm)	Foam PE 4.60±0.10
SHIELD	Material Coverage	Cu/Al Foil + BC Braid 40%-95%
JACKET	Material Dia. (mm)	PVC 6.65±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	50±3
SHIELDING EFFECTIVENESS(≥DB)	20

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY (MHZ)	ATTENUATION (DB/100M)
10	1.7
50	4.5
100	5.3
200	8.6
400	12.3
700	17.1
900	19.0
1000	20.1

CT125 CABLE



PHYSICAL DIMENSIONS

COMPONENT		CT125
CONDUCTOR	Material Dia. (mm)	BC 1.25±0.01
DIELECTRIC	Material Dia. (mm)	Foam PE 5.50±0.10
SHIELD	Material Coverage	Cu/Al Foil + BC Braid 40%-95%
JACKET	Material Dia. (mm)	PVC 7.8±0.10

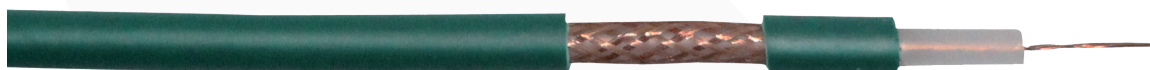
ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	50±3
SHIELDING EFFECTIVENESS(≥DB)	20

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY (MHZ)	ATTENUATION (DB/100M)
10	1.2
50	3.2
100	5.4
200	8.6
400	10.1
700	14.3
900	15.4
1000	16.4

KX6 CABLE



PHYSICAL DIMENSIONS

COMPONENT		KX6
CONDUCTOR	Material Dia. (mm)	BC/TC 7x0.20±0.005
DIELECTRIC	Material Dia. (mm)	Solid PE 3.70±0.05
SHIELD	Material Coverage	BC/CCA Braid 95%
JACKET	Material Dia. (mm)	PVC 6.10±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	75±3
VELOCITY OF PROPAGATION	66%
CAPACITANCE(PF/M)	67.3

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY (MHZ)	ATTENUATION (DB/100M)
10	4.5
50	9.5
100	13.5
200	18.5
300	23.0
400	27.0
500	31.0
750	39.0
1000	45.3

KX6 WITH POWER CABLE



PHYSICAL DIMENSIONS

COMPONENT		KX6
CONDUCTOR	Material Dia. (mm)	BC/TC 7x0.20±0.005
DIELECTRIC	Material Dia. (mm)	Solid PE 3.70±0.05
SHIELD	Material Coverage	BC/CCA Braid 95%
JACKET	Material Dia. (mm)	PVC 6.10±0.10
POWER PAIR	Material Dia. (mm)	BC 16/24x0.2

ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	75±3
VELOCITY OF PROPAGATION	66%
CAPACITANCE(PF/M)	67.3

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY (MHZ)	ATTENUATION (DB/100M)
10	3.9
50	9.5
100	15.0
200	21.0
400	32.0
700	44.0
900	52.0
1000	55.0

KX8 CABLE



PHYSICAL DIMENSIONS

COMPONENT		KX6
CONDUCTOR	Material Dia. (mm)	BC/TC 7x0.40±0.005
DIELECTRIC	Material Dia. (mm)	Solid PE 7.24±0.10
SHIELD	Material Coverage	BC/CCA Braid 95%
JACKET	Material Dia. (mm)	PVC 10.30±0.10

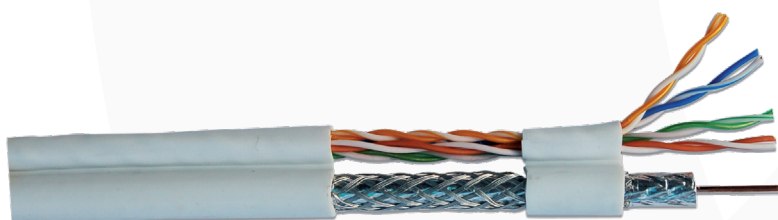
ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	75±3
VELOCITY OF PROPAGATION	66%
CAPACITANCE(PF/M)	67.3

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY (MHZ)	ATTENUATION (DB/100M)
10	2.3
50	4.3
100	6.6
200	9.5
400	13.8
700	19.0
900	22.3
1000	23.3

RG6+CAT5E



PHYSICAL DIMENSIONS

COMPONENT	RG6		CAT5E
CONDUCTOR	Material Dia. (mm)	CCS/BC 1.02±0.01	BC 0.50±0.01
DIELECTRIC	Material Dia. (mm)	Foam PE 4.57±0.10	HDPE 0.90±0.03
SHIELDING	Material Coverage	(Al Foil + Al Braid) 95%	No
JACKET	Material Dia. (mm)	PVC 6.8±0.10	PVC 5.0±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	75±3	100±15
VELOCITY OF PROPAGATION	83%	69%
CAPACITANCE(PF/M)	53.1	5.6

NOMINAL ATTENUATION [@ 68° F. (20° C)]

RG6		CAT5E	
FREQUENCY	ATTENUATION	FREQUENCY	ATTENUATION
(MHZ)	(DB/100M)	(MHZ)	(DB/100M)
5	2.20	1.0	2.0
55	5.25	4.0	4.1
211	9.42	10.0	6.5
300	11.25	20.0	9.3
400	13.12	25.0	10.4
550	15.45	31.25	11.7
750	18.34	62.5	17.0
1000	21.46	100	20.1

RG6 CABLE *CPR Class Eca*



PHYSICAL DIMENSIONS

COMPONENT	STANDARD SHIELD	TRI-SHIELD	QUAD-SHIELD
CONDUCTOR Material Dia. (mm)	CCS/BC 1.02±0.01	CCS/BC 1.02±0.01	CCS/BC 1.02±0.01
DIELECTRIC Material Dia. (mm)	Foam PE 4.57±0.10	Foam PE 4.57±0.10	Foam PE 4.57±0.10
SHIELD Material Coverage	Al Foil + Al Braid 40%-95%	Al Foil + Al Braid 40%-95%	(Al Foil + Al Braid)*2 40%-95%
JACKET Material Dia. (mm)	PVC/PE 6.90±0.10	PVC/PE 7.06±0.10	PVC/PE 7.54±0.10
MESSENGER Dia. (mm)	Galvanized Steel 1.30±0.01 1.83±0.01	Galvanized Steel 1.30±0.01 1.83±0.01	Galvanized Steel 1.30±0.01 1.83±0.01

ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	52±3
STRUCTURAL RETURN LOSS(≥DB)	20

MECHANICAL CHARACTERISTICS

MINIMUM BREAKING STRENGTH OF MESSENGER	1.30mm	100±15
	1.83mm	166kgf

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY (MHZ)	ATTENUATION (DB/100M)
5	2.20
55	5.25
211	9.42
300	11.25
400	13.12
550	15.45
750	18.34
1000	21.46
1450	26.20
1800	28.90
2250	32.80
3000	39.0

RG6+POWER CABLE



PHYSICAL DIMENSIONS

COMPONENT		RG6+POWER
CONDUCTOR	Material Dia. (mm)	CCS/BS 1.02
DIELECTRIC	Material Dia. (mm)	Foam PE 4.57
SHIELD	Material Coverage	BC Braid 95%
JACKET	Material Dia. (mm)	BC Braid 95%
POWER PAIR	Material Dia. (mm)	BC 16/24x0.2

ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	75 $\pm$ 3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	53.4

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY (MHZ)	ATTENUATION (DB/100M)
10	2.10
50	4.89
100	6.89
200	9.84
400	14.1
700	19.0
900	22.0
1000	23.3

RG8/U CABLE



PHYSICAL DIMENSIONS

COMPONENT		RG8/U
CONDUCTOR	Material Dia. (mm)	BC/TC 7x0.70±0.01
DIELECTRIC	Material Dia. (mm)	Solid PE 7.24±0.10
SHIELD	Material Coverage	BC/TC Braid 95%
JACKET	Material Dia. (mm)	PVC 10.2±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	52±3
VELOCITY OF PROPAGATION	66%
CAPACITANCE(PF/M)	93.5

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY (MHZ)	ATTENUATION (DB/100M)
10	1.97
50	4.27
100	6.23
200	9.19
400	13.8
700	19.4
900	22.6
1000	24.3
4000	76.1

RG11 CABLE *CPR Class Eca*



PHYSICAL DIMENSIONS

COMPONENT	STANDARD SHIELD	TRI-SHIELD	QUAD-SHIELD
CONDUCTOR Material Dia. (mm)	CCS/BC 1.63±0.01	CCS/BC 1.63±0.01	CCS/BC 1.63±0.01
DIELECTRIC Material Dia. (mm)	Foam PE 7.11±0.10	Foam PE 7.11±0.10	Foam PE 7.11±0.10
SHIELD Material Coverage	Al Foil + Al Braid 40%-95%	Al Foil + Al Braid 40%-95%	(Al Foil + Al Braid)*2 40%-95%
JACKET Material Dia. (mm)	PVC/PE 10.03±0.10	PVC/PE 10.16±0.10	PVC/PE 10.34±0.10
MESSENGER Material Dia. (mm)	Galvanized Steel 1.83±0.01	Galvanized Steel 1.83±0.01	Galvanized Steel 1.83±0.01

ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	52±3
STRUCTURAL RETURN LOSS(≥DB)	20

MECHANICAL CHARACTERISTICS

MINIMUM BREAKING STRENGTH OF MESSENGER	166kgf
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NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY (MHZ)	ATTENUATION (DB/100M)
5	1.25
55	3.18
211	5.94
300	7.05
400	8.10
550	9.65
750	11.48
1000	13.88
1450	18.10
1800	20.60
2250	23.50
3000	28.90

RG8/U CABLE



PHYSICAL DIMENSIONS

COMPONENT		RG8/U
CONDUCTOR	Material Dia. (mm)	BC/TC 19x0.18±0.005
DIELECTRIC	Material Dia. (mm)	Solid PE 2.95±0.05
SHIELD	Material Coverage	BC/TC Braid 95%
JACKET	Material Dia. (mm)	PVC 4.95±0.10

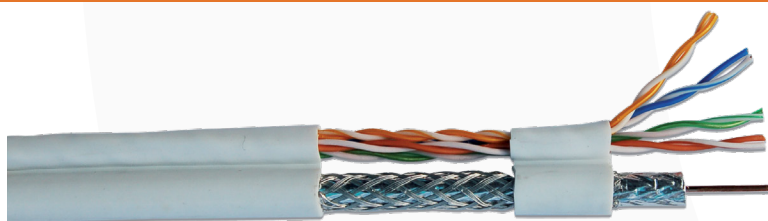
ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	50±03
VELOCITY OF PROPAGATION	66%
CAPACITANCE(PF/M)	101

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY (MHZ)	ATTENUATION (DB/100M)
30	6.3
50	8.1
150	14.1
220	17.1
450	24.6
900	35.0
1500	45.6
1800	50.1
2000	53.0

RG59+ CAT5E



PHYSICAL DIMENSIONS

COMPONENT	RG59	CAT5E
CONDUCTOR Material Dia. (mm)	CCS/BC 0.81±0.01	BC 0.50±0.01
DIELECTRIC Material Dia. (mm)	Foam PE 3.70±0.10	HDPE 0.90±0.03
SHIELD Material Coverage	Al Foil + Al Braid 95%	NO
JACKET Material Dia. (mm)	PVC 6.0±0.10	PVC 5.0±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	100±15
VELOCITY OF PROPAGATION	69%
CAPACITANCE(PF/M)	5.6

MECHANICAL CHARACTERISTICS

MINIMUM BREAKING STRENGTH OF MESSANGER	166kgf
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NOMINAL ATTENUATION [@ 68° F. (20° C)]

RG59		CAT5E	
FREQUENCY	ATTENUATION	FREQUENCY	ATTENUATION
(MHZ)	(DB/100M)	(MHZ)	(DB/100M)
10	2.95	1.0	2.0
50	6.23	4.0	4.1
100	8.53	10.0	6.5
200	12.14	20.0	9.3
400	16.73	25.0	10.4
700	22.03	31.25	11.7
900	24.74	62.5	17.0
1000	26.64	100	20.1

RG59/U CABLE



PHYSICAL DIMENSIONS

COMPONENT		RG59/U
CONDUCTOR	Material Dia. (mm)	CCS/BC/TC 0.584±0.01
DIELECTRIC	Material Dia. (mm)	Solid PE 3.70±0.10
SHIELD	Material Coverage	Solid PE 3.70±0.10
JACKET	Material Dia. (mm)	PVC 6.10±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	75±3
VELOCITY OF PROPAGATION	66%
CAPACITANCE(PF/M)	67.3

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY (MHZ)	ATTENUATION (DB/100M)
10	3.6
50	7.9
100	11.1
200	16.1
400	23.0
700	31.8
900	36.4
1000	39.4

RG59/U WITH POWER CABLE



PHYSICAL DIMENSIONS

COMPONENT		RG59/U+POWER
CONDUCTOR	Material Dia. (mm)	CCS/BC 0.584±0.01
DIELECTRIC	Material Dia. (mm)	Solid PE 3.70±0.10
SHIELD	Material Coverage	BC/CCA Braid 95%
JACKET	Material Dia. (mm)	PVC 6.00±0.10
POWER PAIR	Material Dia. (mm)	BC 16/24x0.2

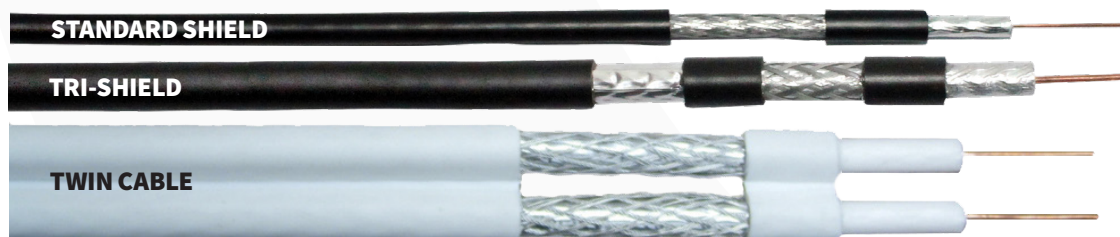
ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	75±3
VELOCITY OF PROPAGATION	66%
CAPACITANCE(PF/M)	67.3

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY (MHZ)	ATTENUATION (DB/100M)
10	3.6
50	7.9
100	11.1
200	16.1
400	23.0
700	31.8
900	36.4
1000	39.4

RG59 CABLE *CPR Class Eca*



PHYSICAL DIMENSIONS

COMPONENT	STANDARD SHIELD	TRI-SHIELD	TWIN
CONDUCTOR Material Dia. (mm)	CCS/BC 0.81±0.01	CCS/BC 0.81±0.01	CCS/BC 2*0.31±0.01
DIELECTRIC Material Dia. (mm)	Foam PE 3.66±0.10	Foam PE 3.66±0.10	Foam PE 2*3.66±0.10
SHIELD Material Coverage	Al Foil + Al Braid 40%-95%	Al Foil + Al Braid 40%-95%	(Al Foil + Al Braid)*2 40%-95%
JACKET Material Dia. (mm)	PVC/PE 6.00±0.10	PVC/PE 6.10±0.10	PVC 6.00*13.0±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	52±3
STRUCTURAL RETURN LOSS(≥DB)	20

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY (MHZ)	MAXIMUM (DB/100M)
5	2.92
55	6.40
211	11.78
270	13.29
300	14.01
350	15.22
400	16.01
450	17.39
550	19.36
750	22.83
850	24.74
1000	26.54

RG59 WITH POWER CABLE



PHYSICAL DIMENSIONS

COMPONENT		RG59/U+POWER
CONDUCTOR	Material Dia. (mm)	BC/CCS 0.81±0.01
DIELECTRIC	Material Dia. (mm)	Foam PE 3.70±0.10
SHIELD	Material Coverage	CCA Braid 85%
JACKET	Material Dia. (mm)	PVC 6.0±0.10
POWER PAIR	Material Dia. (AWG) (mm)	BC/CCA 18 PE 1.80
CONDUCTOR	Material Dia. (AWG) (mm)	BC/CCA 18 PE 1.80
JACKET	Material Dia. (AWG) (mm)	BC/CCA 18 PE 1.80

ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	53±2

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY (MHZ)	ATTENUATION (DB/100M)
10	3.5
50	7.0
100	10.0
200	14.7
400	21.0
700	28.3
900	32.7
1000	34.6

RG59 + POWER CABLE + CAT5E



PHYSICAL DIMENSIONS

COMPONENT	RG59+POWER		CAT5E
CONDUCTOR	Material Dia. (mm)	CCS/BC 0.80±0.01	BC 0.50±0.01
DIELECTRIC	Material Dia. (mm)	Foam PE 3.70±0.10	HDPE 0.90±0.03
SHIELDING	Material Coverage	BC/CCA Braid 95%	No
INNER JACKET	Material Dia. (mm)	PVC 6.0±0.10	PVC 5.0±0.10
POWER PAIR	Material Dia. (mm)	BC 16/24x0.2	No
OUTER JACKET	Material Thickness (mm)	PVC 100±0.10	

ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	75±3	100±15
VELOCITY OF PROPAGATION	83%	69%
CAPACITANCE(PF/M)	53.4	5.6

NOMINAL ATTENUATION [@ 68° F. (20° C)]

RG59

CAT5E

FREQUENCY	ATTENUATION	FREQUENCY	ATTENUATION
(MHZ)	(DB/100M)	(MHZ)	(DB/100M)
10	2.95	1.0	2.0
50	6.23	4.0	4.1
200	8.53	10.0	6.5
200	12.1	20.0	9.3
400	17.5	25.0	10.4
700	24.0	31.25	11.7
900	27.3	62.5	17.0
1000	29.0	100	20.1

RG174/U CABLE



PHYSICAL DIMENSIONS

COMPONENT		RG174/U
CONDUCTOR	Material Dia. (mm)	CCS/BC/TC 7x0.16±0.005
DIELECTRIC	Material Dia. (mm)	Solid PE 1.52±0.05
SHIELD	Material Coverage	BC/TC Braid 90%
JACKET	Material Dia. (mm)	PVC 2.80±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	50±3
VELOCITY OF PROPAGATION	66%
CAPACITANCE(PF/M)	101

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY (MHZ)	ATTENUATION (DB/100M)
10	10.8
50	19.0
100	27.6
200	41.0
400	62.3
700	88.6
900	101.7
1000	111.5

RG213/U CABLE



PHYSICAL DIMENSIONS

COMPONENT		RG213/U
CONDUCTOR	Material Dia. (mm)	BC/TC 7x0.75±0.01
DIELECTRIC	Material Dia. (mm)	Solid PE 7.24±0.10
SHIELD	Material Coverage	BC/TC Braid 95%
JACKET	Material Dia. (mm)	PVC 10.2±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	50±3
VELOCITY OF PROPAGATION	66%
CAPACITANCE(PF/M)	93.5

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY (MHZ)	ATTENUATION (DB/100M)
10	1.80
50	4.27
100	6.23
200	8.86
400	13.5
700	21.3
900	24.9
1000	26.2
4000	70.5

RG6 DUAL CABLE



PHYSICAL DIMENSIONS

COMPONENT		RG6 DUAL CABLE
CONDUCTOR	Material Dia. (mm)	CCS/BC 2*1.02±0.01
DIELECTRIC	Material Dia. (mm)	Foam PE 2*4.57±0.10
SHIELD	Material Coverage	Al Foil + Al Braid 40%-95%
JACKET	Material Dia. (mm)	PVC 6.80*14.6±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE (Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	53.1
STRUCTURAL RETURN LOSS (≥DB)	20

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY (MHZ)	ATTENUATION (DB/100M)
5	2.20
55	5.25
211	9.42
300	11.25
400	13.12
550	15.45
750	18.34
1000	21.46
1450	26.20
1800	28.90
2250	32.80
3000	39.00



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