



SCHNEIDER ELECTRIC **ACTASSI SYSTEM**

Actassi is Schneider Electric's new global state-of-the-art range for networking and connectivity infrastructure solutions, created for buildings and data centers.

SUMMARY

Actassi is Schneider Electric's new global state-of-the-art range for networking and connectivity infrastructure solutions, created for buildings and data centers.

It consists of the best performing features from local Schneider Electric brands such as LexCom, Infra plus, Clipsal Datacomms, Sarel and Himel.

To be able to offer every installer around the world, the best-of-the-best solutions, we have created ONE single system; Actassi.

The Actassi System consists of a comprehensive set of products:

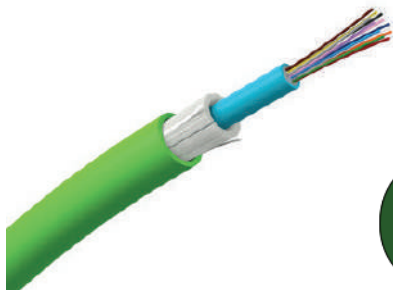
- ▶ Connectors for Cat 5e, Cat 6 and Cat 6A performance
 - ▶ Copper and fiber optic panels
 - ▶ Copper and fiber optic LAN cables
- ▶ Patch cords and connecting hardware
 - ▶ Cabling and server enclosures

THE ACTASSI SYSTEM

Actassi Copper Solution



Actassi Fiber Solution



ACTASSI COPPER SOLUTION

Business Progress

- ▶ Copper Cables
- ▶ Copper Connectors
- ▶ Copper Panels
- ▶ Copper Cable Management and Accessories

ACTASSI COPPER CABLES

Standard copper LAN cables for your day-to-day installations, based on U/UTP and F/UTP cables, from category 5 to category 6A.

High-end copper LAN cables for performances from category 6 to category 7A 1000 MHz. Exceeding international standards by 3 Db minimum on NEXT. Full FORCE Technology (Delta) certification for components.

Exclusively designed LAN copper cables for category 6A with a patented single-foil metallic Xfiller, providing high performance and reliable shielded installations. Exceeding international standards by 20 dB on NEXT. Full FORCE Technology (Delta) certification for components.

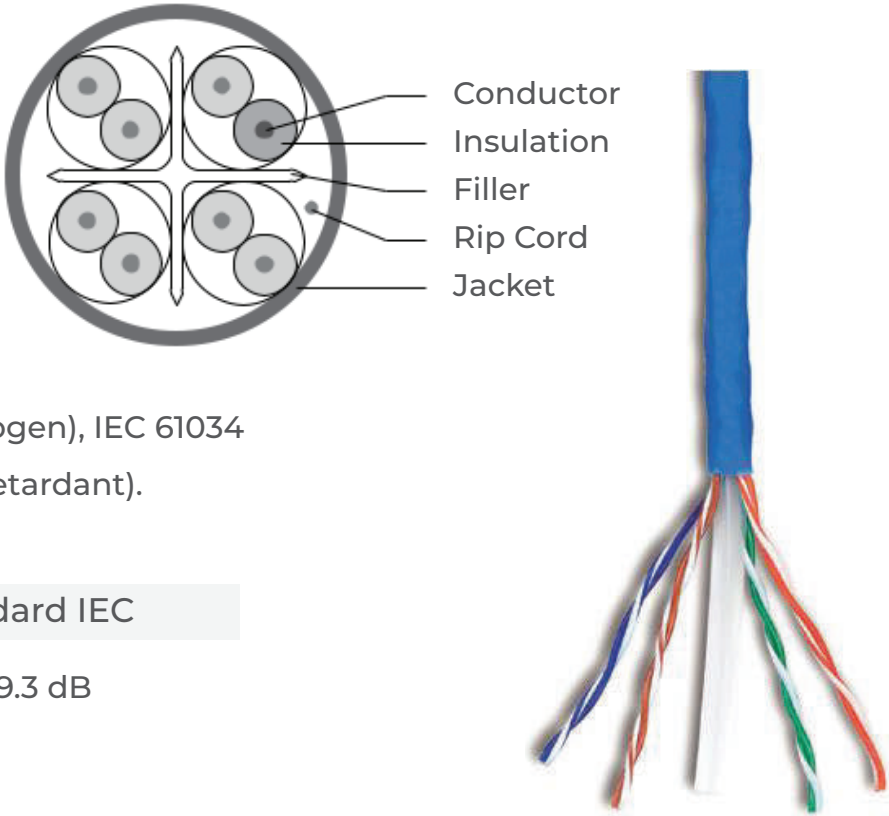
Cat 6 U/UTP

Specifications

- 23 AWG. 4 pairs. Centre filler to maintain pair twisting.

Performances

- Compliant to: ISO/IEC 11801 Class E, IEC 60754 part 2 (non-halogen), IEC 61034 part 2 (Smoke emission), IEC 60332-1 (flammability and Fire Retardant).



NEXT	Guaranteed	Standard IEC
250 MHz	41.3 dB	≥ 39.3 dB

Use

- In horizontal cabling situations
- LSZH cables: high-bandwidth applications, including the IEEE 802.3AB 1000 Base-T (Gigabit Ethernet), TIA/EIA 1000 Base-TX, 1.2Gb/s ATM and any future applications designed for Category 6/Class E cabling, broadband video.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	40 kg/km	6 mm	PVC - CM	305 m	ACT4P6UCM3RBxx
			PVC - CMR	305 m	ACT4P6UCR3RBxx
			LSZH	305 m	ACT4P6ULS3RBxx

Where xx denotes the color of jacket: BK = black, BU = blue, GR = green, RD = red, SG = soft grey, WE = white, YL = yellow.

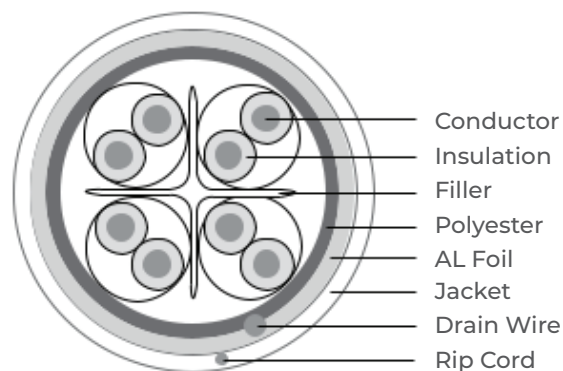
Cat 6 F/UTP

Specifications

- ▶ 23 AWG. 4 pairs. Centre filler to maintain pair twisting.

Performances

- ▶ Compliant to: ISO/IEC 11801 Class E, IEC 60754 part 2 (non-halogen), IEC 61034 part 2 (Smoke emission), IEC 60332-1 (flammability and Fire Retardant).



NEXT	Guaranteed	Standard IEC
250 MHz	41.3 dB	≥ 39.3 dB

Use

- ▶ In horizontal cabling situations
- ▶ LSZH cables: high-bandwidth applications, including the IEEE 802.3AB 1000 Base-T (Gigabit Ethernet), TIA/EIA 1000 Base-TX, 1.2Gb/s ATM and any future applications designed for Category 6/Class E cabling, broadband video.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	52.5 kg/km	7.3 mm	PVC - CM	305 m	ACT4P6SCM3RBxx
			LSZH	305 m	ACT4P6SLS3RBxx

Where xx denotes the color of jacket: BK = black, BU = blue, GR = green, RD = red, SG = soft grey, WE = white, YL = yellow.

Cat 6A U/UTP

Specifications

- ▶ 23 AWG. 4 pairs. Centre filler to maintain pair twisting.

Performances

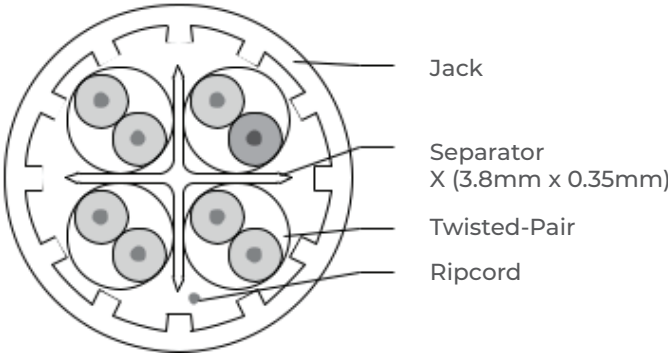
- ▶ Complies with TIA/EIA-568-C.2 Category 6A and ISO/IEC 11801 Class Ea standards.

NEXT	Guaranteed	Standard IEC
500 MHz	35.8 dB	34.8 dB

Use

- ▶ In horizontal cabling situations
- ▶ Support 10G Base-T, 1000 Base-T and 1000 Base-TX LANs and broadband video applications.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	44.3 kg/km	8.5 mm	PVC - CM	305 m	ACTTG4P6AUCM3RBU
			LSZH	305 m	ACTTG4P6AULS3RWE



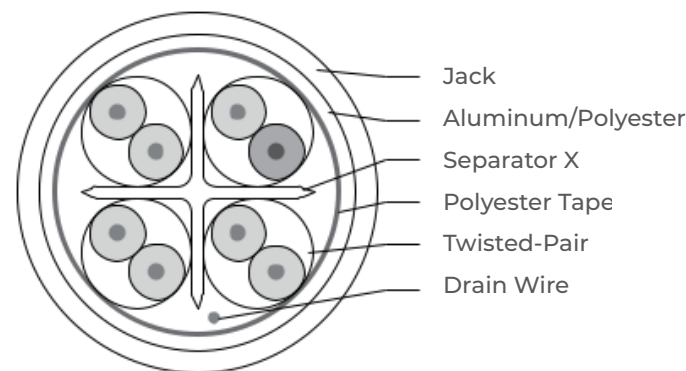
Cat 6A F/UTP

Specifications

- ▶ 23 AWG. 4 pairs. Centre filler to maintain pair twisting.

Performances

- ▶ Complies with TIA/EIA-568-C.2 Category 6A and ISO/IEC 11801 Class Ea standards.



NEXT	Guaranteed	Standard IEC
500 MHz	35.8 dB	34.8 dB

Use

- ▶ In horizontal cabling situations
- ▶ Support 10G Base-T, 1000 Base-T and 1000 Base-TX LANs and broadband video applications.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	44.3 kg/km	7.3 mm	PVC - CM	305 m	ACTTG4P6ASCM3RBU
			LSZH	305 m	ACTTG4P6ASLS3RWE

Cat 6A U/FTP

Specifications

- ▶ 23 AWG. 4 pairs. Centre filler to maintain pair twisting.

Performances

- ▶ Complies with TIA/EIA-568-C.2 Category 6A and ISO/IEC 11801 Class Ea standards.

NEXT	Guaranteed	Standard IEC
500 MHz	54.8 dB	

Use

- ▶ In horizontal cabling situations
- ▶ Support 10G Base-T, 1000 Base-T and 1000 Base-TX LANs and broadband video applications.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	49 kg/km	7.6 mm	PVC - LSZH	500 m	VDICD62X218



Cat 7/7A

Specifications

- ▶ 23 AWG. 4 pairs. Centre filler to maintain pair twisting.

Performances

- ▶ Compliant to EN 50173-1, ISO/IEC 11801 Ed3.0, IEC 61156-5 Ed2 and EN 50288-9-1 standards.

NEXT	Guaranteed	Standard IEC
1000 MHz	65.8 dB	

Use

- ▶ In horizontal cabling situations
- ▶ Support 10G Base-T, 1000 Base-T and 1000 Base-TX LANs and broadband video applications.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	17-57 kg/km	7.3 mm	PVC CM/LSZH	305 – 500 m	ACTTG4P7FFLS3RWE
			LSZH	305 m	VDICD648218 - 658218



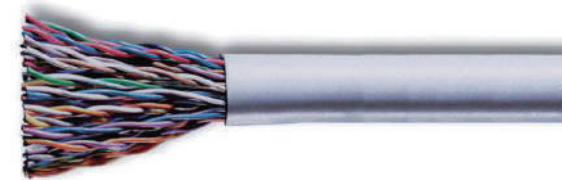
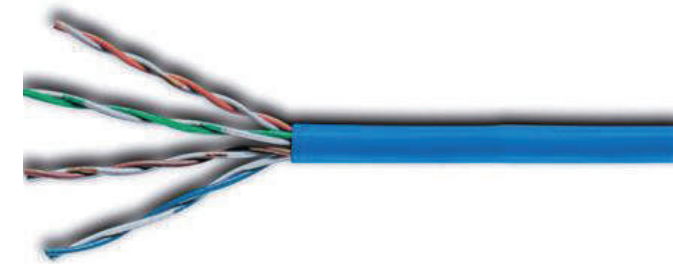
Cat 5e UTP - Multi Pair Cable

Specifications

- 24 AWG. 4 pairs. Centre filler to maintain pair twisting.

Performances

- Compliant to: IEC 60754 part 2 (non-halogen), IEC 61034 part 2 (smoke emission), IEC 60332-1 (flammability and Fire Retardant).



NEXT	Guaranteed	Standard IEC
100 MHz	38.3 dB	≥ 35.3 dB

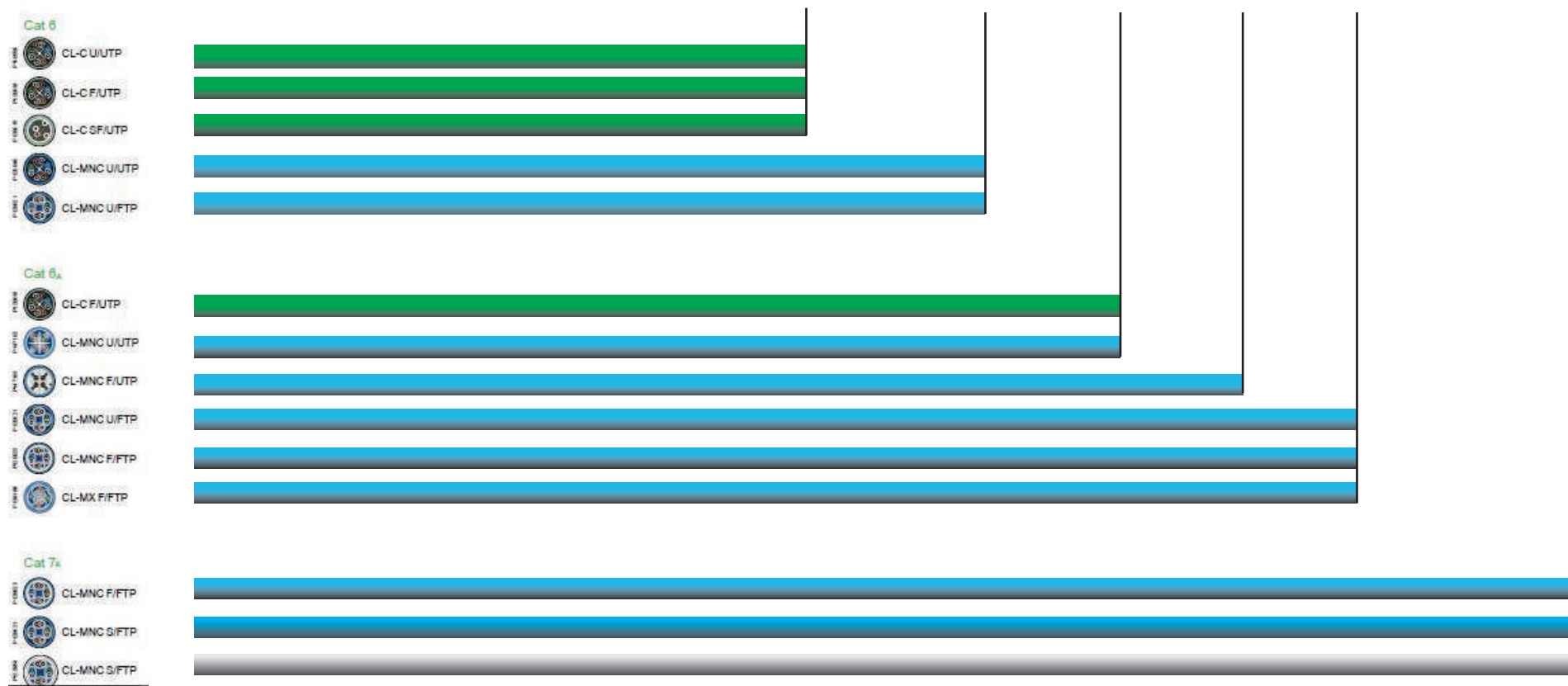
Use

- Applications such as 155 Mb/s ATM, 622 Mb/s ATM and IEEE 802.3 1000 Base-T (Gigabit Ethernet) standards, using parallel transmission technology.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	42 kg/km	4.8 mm	PVC - CM	305 m	ACT4P5EUCM3RBxx
			LSZH	305 m	ACT4P5EULS3RBxx
Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
25 pair cable	184 kg/km	12.5 mm	PVC - CM	305 m	ACT25P5EUCM3RGY
			PVC - CMR	305 m	ACT25P5EUCR3RGY
			LSZH	305 m	ACT25P5EULS3RGY

PERFORMANCE

Frequency (MHZ)	250		500			1000
Attenuation (dB)*	33	33	45.3	45.5	45.3	61.9
NEXT (dB)*	39.3	42.3	34.3	37.8	54.8	60.4
ACR-F (dB)*	20	23	14	14	24	35.3
Propagation Speed (%c)	66	66	70	70	82	78



ACTASSI S-ONE JACKS (Tool Less)

CAT-6



unshielded shielded

RJ45 Connector Cat 6

CAT 6A



unshielded shielded

RJ45 Connector Cat 6A

ACTASSI S-110 JACKS

CAT-6



unshielded shielded

RJ45 Connector Cat 6

CAT 6A



unshielded shielded

RJ45 Connector Cat 6A

ACTASSI CABLE MANAGER

Patch Cord Guiding Panels (Quick Fix Metal Base)

- ▶ Keystone footprint, supporting Blue link connector
- ▶ 1U height
- ▶ 24 RJ45 ports
- ▶ Front Labelling System
- ▶ Compatible with 19" equipment rack
- ▶ Fully compliant with ISO/IEC 11801 2nd Edition 2002 and ANSI/TIA/EIA-568-B Series Connecting hardware solutions
- ▶ Powder coated for protection against scratches and rust
- ▶ Rear cable holder included

CODE

ACTRJ1UCMPM
ACTRJ1UCMPC

DESCRIPTION

Patch Cord Guiding Panel 1U Fixed (Metal)
Patch Cord Guiding Panel 1U Fixed (Plastic)



ACTASSI PATCH PANELS

The data panels contain a front configuration for 24 RJ45 connectors. All panels have the smart Quick Fix function. They are also available pre-equipped with connectors, shutters, label holders and a rear cable organizer. We try to make your life as easy as possible

ACTASSI S-ONE PATCH PANEL

Empty Panel for S-One Connectors 1U 24 Ports

Empty sliding 19" copper panel (without connectors)

1U height

24 RJ45 Ports

Simple clicking connectors for mounting

Automatic earth with the pre-equipped bus bar for FTP/STP versions

CODE

DESCRIPTION

VDIG112241U	Empty Panel, 1U	UTP 24 Ports, Shuttered
VDI6694F	Empty Panel, Fixed 1U	UTP/ FTP 24 Ports, Non Shuttered
VDIG112241F	Empty Panel, Fixed 1U	FTP 24 Ports, Shuttered



ACTASSI PATCH PANEL



CODE

DESCRIPTION

ACTPP6ATGS24NSS

Equipped Panel 1U STP Cat 6A with 24 RJ45 Keystone Connectors, Non-Shuttered

ACTPP6ATGU24NSS

Equipped Panel 1U UTP Cat 6A with 24 RJ45 Keystone Connectors, Non-Shuttered

ACTPP6ATGU24SHS

Equipped Panel 1U UTP Cat 6A with 24 RJ45 Keystone Connectors, Shuttered



CODE

DESCRIPTION

ACTPPS24NSU

Empty Panel 1U STP Keystone Connector (Use Keystone STP/FTP Connectors to load the Panel)

ACTPP6U24NSSUN

Empty Panel 1U UTP Keystone Connector (Use Keystone UTP Connectors to load the Panel)

ACTASSSI PATCH CORDS

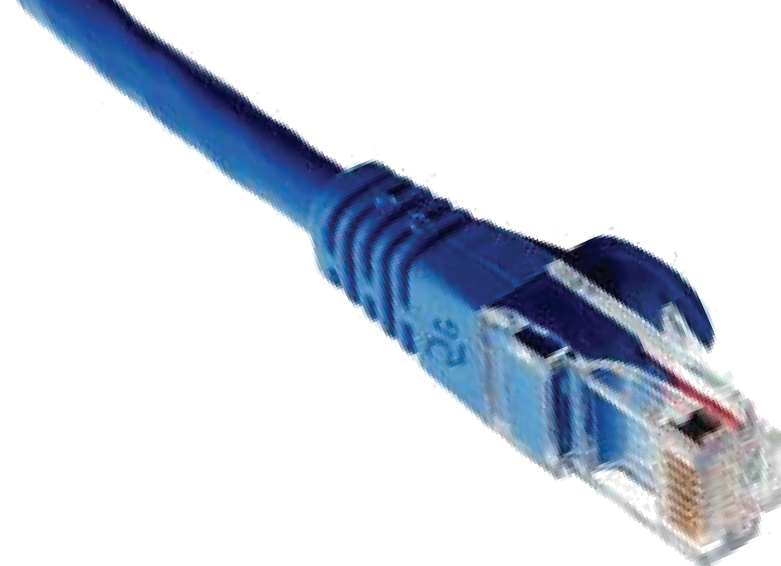
Patch Cords U/UTP Category 6

Specifications

- ▶ 300 MHz, outer sheath PVC

Performances

- ▶ Fully compliant to AS/NZS 3080:2003, ISO/IEC 11801, 2nd Edition 2002 and ANSI/TIA/EIA-568-B Series Connecting Hardware Standards



CODE	COLOR OF SHEATH	SHEATH	LENGTH
ACTPC6UUCM10BU	Blue, CM	PVC	1m
ACTPC6UUCM30BU	Blue, CM	PVC	3m
ACTPC6UUCM50BU	Blue, CM	PVC	5m

CODE	COLOR OF SHEATH	SHEATH
ACTPC6UULS10BU	Blue, LSZH	LSZH
ACTPC6UULS30BU	Blue, LSZH	LSZH
ACTPC6UUCM50BU	Blue, LSZH	LSZH

ACTASSI PATCH CORDS

Patch Cords F/UTP Category 6A

Specifications

- ▶ 500 MHz, outer sheath

Performances

- ▶ Fully compliant to AS/NZS 3080:2003, ISO/IEC 11801 2nd Edition 2002 and ANSI/TIA/ EIA-568-B Series Connecting Hardware Standard

CODE	COLOR OF SHEATH	SHEATH	LENGTH
ACTPC6ASFCM10WE	White, CM	PVC	1m
ACTPC6ASFCM30WE	White, CM	PVC	3m

CODE	COLOR OF SHEATH	SHEATH
ACTPC6ASFLS10WE	White	LSZH
ACTPC6ASFLS30WE	White	LSZH
ACTPC6ASFLS50WE	White	LSZH



SCHNEIDER WALL PLATES

S-ONE JACKS



S-110 JACKS



RG-6 & RG-11 COAXIAL CABLE(CATV/MATV)

Specifications

- ▶ Applies to drop cable for CATV and MATV distribution
- ▶ Meets SCTE IPS-SP-001, UL1655, UL13, UL444 TEC DROPCABLE standards

Performances

- ▶ Performance meets and greatly exceeds International Link or Channel Specification standards
- ▶ Compliant to industry standards of EIA, TIA, IEEE, ISO, ANSI, UL, CNACL, TS008 & TS009, Australia & New Zealand 3080 and ISO 11801



CODE	TYPE		DIAMETER	SHEATH	LENGTH
CRG6305CMCC	RG-6	(CCS)	7.06 mm	PVC	305 m
CRG6305CMCU	RG-6	(CU)	7.06 mm	PVC	305 m
CRG11305CMCC	RG-11	(CCS)	10.2 mm	PVC	305 m
CRG11305CMCU	RG-6	(CU)	10.2 mm	PVC	305 m

ACTASSI FIBER SOLUTION

We have a complete range of Fiber solution,

- ▶ Fiber Cables
- ▶ Fiber Accessories
- ▶ Copper Panels
- ▶ Copper Cable Management and Accessories

Tight Buffered Fiber Optic 2 Core Cables (FTTH/FTTD Indoor Use)

Specifications

Compact and universal cable suitable for FTTH Indoor

- ▶ LSZH (Low smoke zero halogen)
- ▶ 2 fiber of Single-Mode optical fiber units (G652D or G657A) are positioned in the center
- ▶ Two parallel of fiber reinforced plastic (FRP) are placed on two sides

Use

- ▶ Fiber to the home (FTTH), Fiber to the desk (FTTD), Fiber to the telecom

CODE

TYPE

ACTNDFH02SM92DFLS	2	Core G.652D FTTH Indoor Fiber Cable, FRP, LSZH
ACTNDFH02SM97AFLS	2	Core Single-Mode G.657A Indoor FTTH FRP LSZH Fiber Cable, FRP, LSZH



TIGHT BUFFERED FIBER OPTIC CABLES

Multi-Mode Cables OM3 50/125 µm

- ▶ Optic Cable Indoor/Outdoor OM3 50/125 µm Multi-Mode Fiber, Green overall jacket

CODE

TYPE

DIAMETER

VDIC52306L

6 Fibers, OM3 50/125, Tight Buffered

5.1 mm

VDIC52312L

12 Fibers, OM3 50/125, Tight Buffered

6.7 mm

VDIC52324L

24 Fibers, OM3 50/125, Tight Buffered

8.8 mm



TIGHT BUFFERED FIBER OPTIC CABLES

Multi-Mode Cables OM4 50/125 µm

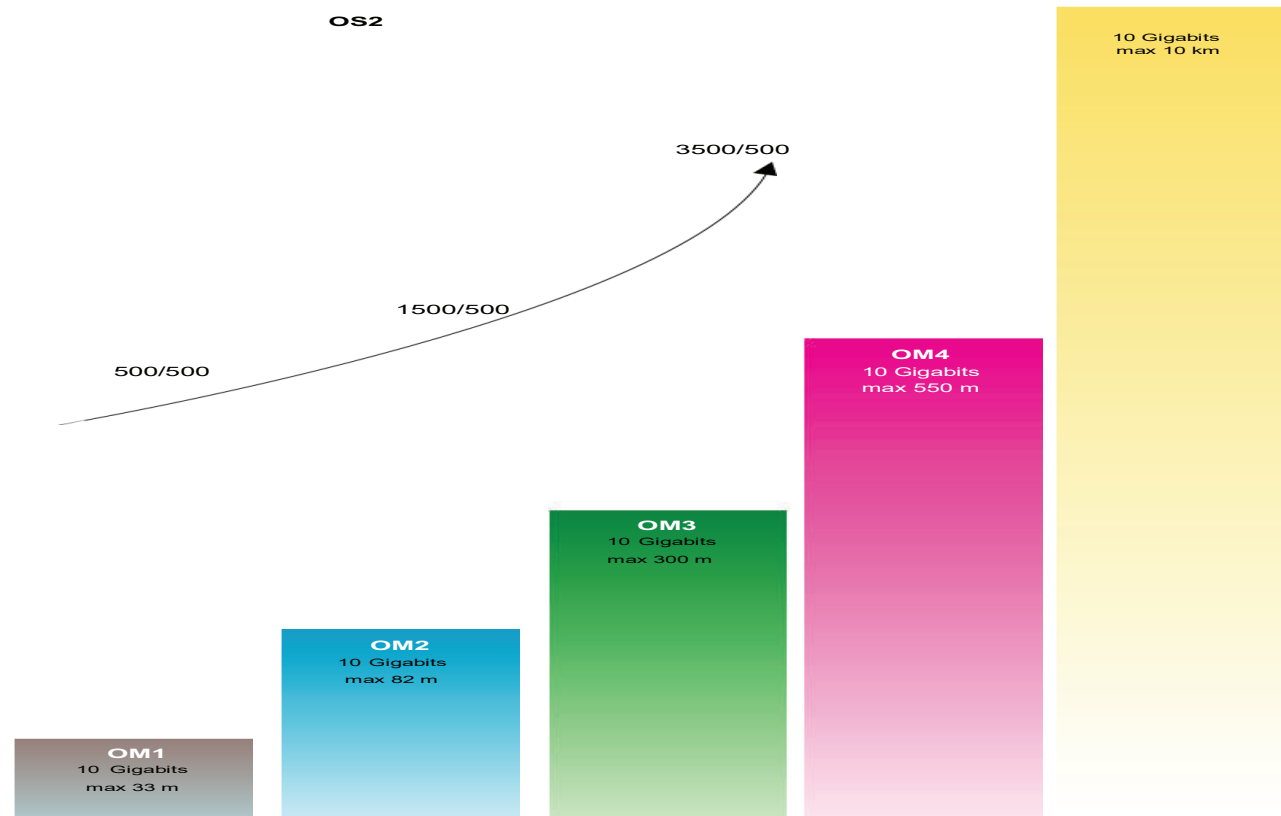
- Optic Cable Indoor/Outdoor OM4 50/125 µm Multi-Mode Fiber, Green overall jacket

CODE	TYPE	DIAMETER
VDIC52406L	6 Fibers, OM4 50/125, Tight Buffered	5.1 mm
VDIC52412L	12 Fibers, OM4 50/125, Tight Buffered	6.7 mm
VDIC52424T	24 Fibers, OM4 50/125, Tight Buffered	8.8 mm





Supports all kinds of
network applications



Applications	Wavelength	OM1 62.5/125 μm	OM2 50/125 μm	OM3 50/125 μm	OM4 50/125 μm	OS2 9/125 μm
		200/500	500/500	1500/500	3500/500	-
100 Gbit/s *Draft IEEE 802.3ba		-	-	100 m	125 m	10 km / 40 km
40 Gbit/s *Draft IEEE 802.3ba		-	-	100 m	125 m	10 km / 40 km
10 Gbit/s (10GBASE-SR/SW)	VCSEL 850 nm	33 m	82 m	300 m	550 m	-
10 Gbit/s (10GBASE-LX4)	LASER 1300 nm		300 m	300 m	300 m	-
10 Gbit/s (10GBASE-LRM)	LASER WDM 1300 nm		220 m	220 m	220 m	-
10 Gbit/s (10GBASE-LR/LW)	LASER 1310 nm		-	-	-	10 km
10 Gbit/s (10GBASE-ER/EW)	LASER 1550 nm		-	-	-	40 km
1 Gbit/s (1000BASE-SX)	VCSEL 850 nm	275 m	550 m	1000 m	1100 m	-
1 Gbit/s (1000BASE-LX)	LASER 1300/1310 nm	550 m	550 m	550 m	600 m	5 km
100 Mbit/s (100BASE-SX)	VCSEL 850 nm	300 m	300 m	300 m	300 m	-
100 Mbit/s (100BASE-LX)	LASER 1300/1310 nm	2000 m	2000 m	2000 m	2000 m	>20 km

LIGHT ARMORED DIRECT BURIED CABLES

Specifications

- ▶ Compact Universal cables used for direct burial.
- ▶ Specially designed compact structure and PE sheath.
- ▶ Crush resistant and flexible.
- ▶ PSP enhances the cable's crush-resistance, impact-resistance and moisture proofing.
- ▶ Two parallel steel wires ensure tensile strength.
- ▶ Small diameter, lightweight and hassle-free installation



Performances

- ▶ OM3 50/125 compliant with ITU G.651, IEC 60793-2-10 Type A1a.1 and ISO/IEC 11801:2002 A
- ▶ OS1 9/125 compliant with ITU G.652.D, IEC 60793-2-50 Type B1.3, ISO/IEC 11801:2011 Ed2.2
- ▶ Cable mechanical characteristics tested according to IEC 60794-1



Cont.

om3 - 50/125

- Optic Fiber Outdoor OM3 50/125 micro meter multimode fiber

CODE	COLOR OF SHEATH	LENGTH
ACTUDUTLA06MM5T	6 fiber, OM3 50/125, Unitube Light Armored	2000m
ACTUDUTLA12MM5T	12 fiber, OM3 50/125, Unitube Light Armored	2000m
ACTUDUTLA24MM5T	24 fiber, OM3 50/125, Unitube Light Armoured	2000m

OS1/2 - 9/125

Optic Fiber Outdoor OS1/2 Single Mode Fiber Cable

CODE	COLOR OF SHEATH	LENGTH
ACTUDUTLA06SM9	6 fiber, OS1 9/125, Unitube Light Armoured	2000m
ACTUDUTLA12SM9	12 fiber, OS1 9/125, Unitube Light Armoured	2000m
ACTUDUTLA24SM9	24 fiber, OS1 9/125, Unitube Light Armoured	2000m

FIBER PATCH CORDS (SC – LC – SC/LC)



ACTFP2C1M25M30



ACTFP2L1M35M50



ACTFP2CL1M35M30



ACTFP2C1M35M50



ACTFP2L1M35M30



ACTFP2CL1M35M50



ACTFP2L1M45M30



ACTFP2C1S19S30



ACTFP2L1S19S50



ACTFP2CL1S19S30

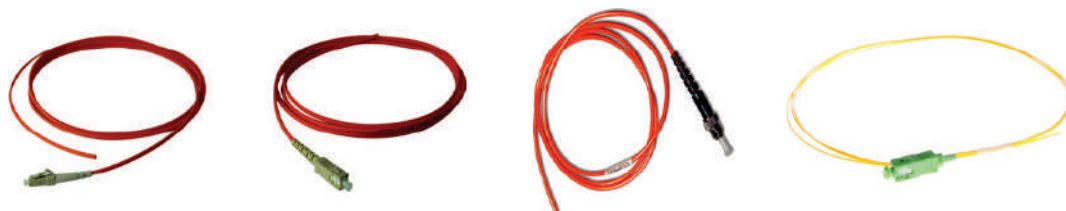
FIBER PIGTAILS

CODE	TYPE	LENGTH
ACTFT1L1M25M10	Pigtail OM2 50/125 LC	1m
ACTFT1C1M25M10	Pigtail OM2 50/125 SC	1m
ACTFT1C1M35M10	Pigtail OM3 50/125 SC	1m
ACTFT121M35M10	Pigtail OM3 50/125 LC	1m
ACTFT1L1M45M10	Pigtail OM4 50/125 LC	1m
ACTFT1C1M45M10	Pigtail OM4 50/125 SC	1m



ACTFT1C1M35M10 ACTFT121M35M10

CODE	TYPE	LENGTH
ACTFT1L1S19S10	Pigtail OS2 9/125 LC	1.0
ACTFT1C1S19S10	Pigtail OS2 9/125 SC	1.0
ACTFT1CA1S19S10	Pigtail OS2 9/125 SC/APC	1.0



ACTFT1C1M25M10 ACTFT1C1M25M10 ACTFT1T1M25M10 ACTFT1CA1S19S10

FIBER PATCH PANEL (ODF)

Actassi 1U 19" fiber optic empty panel with LC/SC duplex adapter ports. It provides all basic but specific features to facilitate easy installation and maintenance. A cost-effective fiber optic panel selection for small/medium building installations.

Product features

- ▶ 1U metallic powder coated panel in dark grey (RAL 7016)
- ▶ Recess design plus removal top cover lip and simple sliding drawer
- ▶ Equipped with PG9 (0.7 mm max.) cable gland plus cable entries and fixtures
- ▶ Pre-installed plastic covers for protection (partially)
- ▶ Compatible with existing fusion splice tray kits (ACTFMSPTKIT)
- ▶ Panel dimension and construction comply with EIA/ECA-310-D, IEC 60297.

Customer benefits

- ▶ Scalable panel capacity and rack space optimization up to 48-fiber (LC rectangular version)
- ▶ Simple sliding function, removable drawer for ease installation/maintenance.
- ▶ Fully compatible with optional fusion splice tray kit (24-fibre), modular single-mode or multi-mode LC/SC adaptors
- ▶ Quick fixation of incoming fiber cable(s) with provisional PG9 cable gland and fixtures
- ▶ Smooth management of bend radius of patch cords by recess panel design
- ▶ Fully compatible with 19" open rack & cabinet



FIBER ADAPTORS

- ▶ LC adaptor, duplex, single-mode, zirconia ceramic, plastic

ACTFA2LSMZP

- ▶ LC adaptor, duplex, multi-mode, zirconia ceramic, plastic

ACTFA2LMMZP

- ▶ SC adaptor, duplex, single-mode, zirconia ceramic, plastic

ACTFA2CSMZP

- ▶ SC adaptor, duplex, single-mode, zirconia ceramic, plastic

ACTFA2CMMZP

- ▶ 1U fusion splice tray kit (max. 24-fiber) ACTFMSPTKIT



SC adaptor

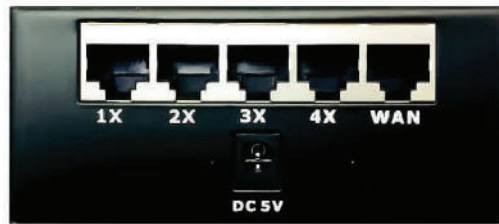


LC adaptor



Fusion splice tray kit

LEXCOM HOME



Data Module



Home Network Distribution Basic Package



CATV/MATV Module

ARKITE COMMUNICATION/IT RACKS



Rear Door



Front door view



Front door view



Mounting Rail



WALL MOUNT RACKS



Standard side panel



Top



Optional front door



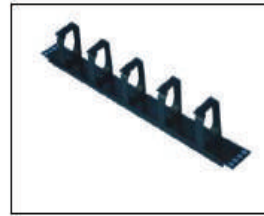
1U cantilever shelf



PDU



L rail



1U cable manager

