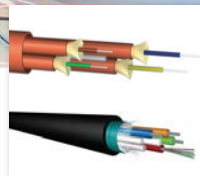




Draka

UC^{CONNECT}[®] – The LAN connectivity system

END-TO-END CABLING SOLUTIONS FOR NETWORKS TO LAST



A brand of the

Prysmian
Group

Prysmian Group - Linking the future



As the worldwide leader in the cable industry, Prysmian Group believes in the effective, efficient and sustainable supply of energy and information as a primary driver in the development of communities. With this in mind, we provide major global organisations in many industries with best-in-class cable solutions, based on state-of-the-art technology. Through two renowned commercial brands – Prysmian and Draka – based in almost 100 countries, we’re constantly close to our customers, enabling them to further develop the world’s energy and telecoms infrastructures, and achieve sustainable, profitable growth.

In our energy business, we design, produce, distribute and install cables and systems for the transmission and distribution of power at low, medium, high and extra-high voltage. In telecoms, the Group is a leading manufacturer of all types of copper and fibre cables, systems and accessories – covering voice, video and data transmission.

Drawing on over 130 years’ experience and continuously investing in R&D, we apply excellence, understanding and integrity to everything we do, meeting and exceeding the precise needs of our customers across all continents, at the same time shaping the evolution of our industry.

What links communications to communities?

Cable solutions to support the development of the world’s telecoms infrastructure. As the world’s largest producer of telecoms cables, supporting the infrastructures of many of the world’s leading telecoms operators, the Prysmian Group delivers optical fibre and copper cabling solutions that help link communications to communities around the globe. Covering voice, video and data transmission, we are world leader in the production of optical fibre, offering unique and fully owned technology. Our portfolio sets the benchmark in global innovation, and is the outcome of continuous multi-million Euro investment in R&D and production in more than 30 facilities worldwide.

Draka Universal Cabling system for Datacom networks

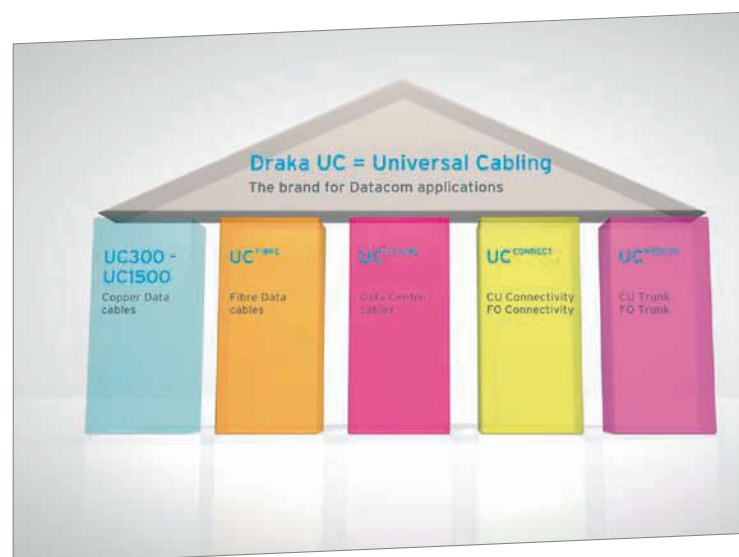
The range of Draka UC branded Universal Cables has been specifically designed for data transmission and combines high-capacity with a flexible cable concept that offers the best possible futureproofing for industrial, trade and service sector customers. Draka UC cables can be used in both standardized and customized networks.

Draka UC300 – UC1500

This comprehensive product range of twisted pair cable ranking from Cat.5e over Cat.6 to patented design for Cat.6A up to multimedia cables has been tailored to a variety of applications and allows highest transmission rates.

Draka UC^{FIBRE™} / Prysmian UC^{FIBRE™}

Optical fiber data cables from the UC^{FIBRE™} series support the latest leading edge transmission standard – 10 Gigabit Eth-



ernet with ten billion bits per second (10Gbit/s) – and provide the ideal basis for the move to faster transmission protocols in the future.

Data Centre Solutions UC^{FUTURE}

With 40/100 Gigabit-Ethernet infrastructures rapidly emerging as the next standard, the Draka product range has been extended with a cable program with UC^{FUTURE} cable that meets current requirements regarding packing density in data centers – and will facilitate the move to next-generation 40/100 Gigabit-Ethernet. This includes Cat8.x solutions for the forthcoming 40GBase-T interface.

UC^{CONNECT®} – Building blocks for ultimate network performance

Draka’s broad portfolio of connectivity products accomplishes perfectly the range of Datacom cable solutions established since many years in a variety of applications.

It contains as well Copper connectivity products in classical Cat.5 performance over trendy Cat.6 compliant products up to 10Gb/s premium Cat.6A products as leading edge fibre optic products facilitating the superior Draka PVCd-based optical fibre cables along with modular, pluggable FO connectivity solutions perfected for durability and flexibility.

Index

PRYSMIAN GROUP - LINKING THE FUTURE

1. SOLUTION CONFIGURATOR	5	5. PANELS	60
1.1 Category 5e	6	5.1 Patch Panels	62
UNSHIELDED CHANNEL		5.2 Smart Panels	77
SHIELDED CHANNEL		5.3 Cable Managements	82
Category 6			
1.2 UNSHIELDED CHANNEL	8	6. FACEPLATES AND ACCESSORIES	88
1.3 SHIELDED CHANNEL	10	6.1 Faceplate and Frame	90
Category 6A		6.2 Surface Mount Box	97
1.4 UNSHIELDED CHANNEL	12	6.3 Snap-In Module	99
1.5 SHIELDED CHANNEL	14		
2. CABLES	16	7. TOOLS & SECURITY	102
2.1 Category 5e	19		
2.2 Category 6	21	8. FIBRE OPTIC	108
2.3 Category 6A	25	8.1 Cables	113
2.4 Category 7	31	8.2 Indoor Trunk Cables	126
2.5 Category 7A	33	8.3 Optical Patchcord	128
2.6 Category 8.2	37	8.4 Optical Pigtail	129
		8.5 Optical Adaptors	130
		8.6 Patch Panel	131
3. KEYSTONE JACKS	38		
3.1 Category 5e	39		
3.2 Category 6	44		
3.2 Category 6A	49		
4. PATCHCORDS	54		



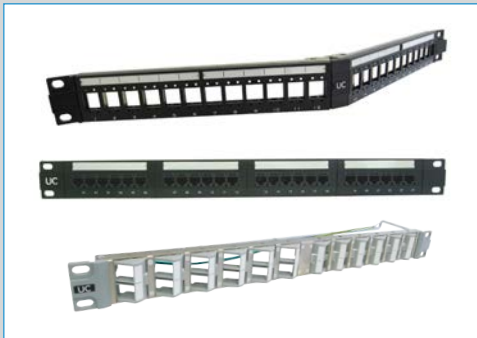
1. Solution configurators

For many decades, we have been designing, developing, manufacturing and selling a variety of high-quality copper and optical fibre cables in order to offer you cable solutions for present and future challenges – let it be standard products or tailor-made – special cables.

Category 5e Solution Configurator

Unshielded Permanent Link
 Shielded Permanent Link
 UC DATA®, UC CONNECT®

Floor distributor



- PWU9746 19" 1U 24P UTP, Punchdown Panel, RJ45, Cat 5e, 180°
- PPU9749 19" 1U 24P UTP Keystone Panel, Empty, Cat 5e, 180°
- PPVU9752 19" 1U 24P UTP Angle Keystone Panel, Empty, Cat 5e 180°, Foldable patented
- PPU9773 19" 2U 48P UTP Keystone Panel, Empty, Cat 5e, 180°
- PPS0118 19" 1U 24P FTP, Keystone Panel, Empty, Cat 5e, 180°
- PPS9748 19" 1U 24P FTP Keystone Panel, Empty, Cat 5e, 180°
- PPVS9752 19" 1U 24P FTP Angle Keystone Panel, Empty, Cat 5e, 180°, Foldable patented
- PPS9772 19" 2U 48P FTP Keystone Panel, Empty, Cat 5e, 180°
- PPS9000 19" 1U 24P, 4 X Cassettes, Cat 5e, 180°
- PPVU9002 19" 1U 24P Shielded, Empty, Angled, Cat 5e, 180°



- CM1U9849 19" 1U Cable management, Plastic light weight, Compact - 2.5 inch
- CM2U9850 19" 2U Cable management, Plastic light weight, Compact - 2.5 inch
- CM1U9851 19" 1U Cable management, Plastic light weight, Deep - 5 inch
- CM1U9852 19" 2U Cable management, Plastic light weight, Deep - 5 inch
- CM1U9861 19" 1U Cable management, Plastic light weight, Normal - 3 inch
- CM2U9863 19" 2U Cable management, light weight, Double side access.



- MJTR9660 Keystone Jack, Cat.5e, RJ45, UTP, 180°, Tool Fast, Blue
- KJTF1250W Keystone Jack, Cat.5e, RJ45, UTP, 90° Tool Free, White
- MJTF1252W Keystone Jack, Cat.5e, RJ45, UTP, 180°, Tool Free, White
- MJTR8660W Keystone Jack, Cat.5e, RJ45, UTP, 180°, Punch-down, White
- MJTR9669 Keystone Jack, Cat.6, RJ45, FTP, 180°, Tool Fast, Shielded
- MJTF1271 Keystone Jack, Cat.6a, RJ45, FTP, 180° Tool Free, Shielded

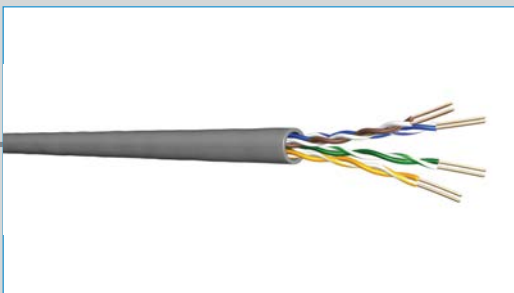


- PS9621GY-1 U/UTP Cat.5e SLIMF Patch cord Grey LSZH 1M
- PS9621GY-0 U/UTP Cat.5e SLIMF Patch cord Grey LSZH 1.5M
- PS9621GY-2 U/UTP Cat.5e SLIMF Patch cord Grey LSZH 2M
- PS9621GY-3 U/UTP Cat.5e SLIMF Patch cord Grey LSZH 3M
- PCS110GY-1 U/UTP Cat.5e DBOOT Patch cord Grey PVC 24AWG 1M
- PCS110GY-0 U/UTP Cat.5e DBOOT Patch cord Grey PVC 24AWG 1.5M
- PCS110GY-2 U/UTP Cat.5e DBOOT Patch cord Grey PVC 24AWG 2M
- PCS110GY-3 U/UTP Cat.5e DBOOT Patch cord Grey PVC 24AWG 3M
- PCS120GY-1 U/UTP Cat.5e DBOOT Patch cord Grey LSZH 24AWG 1M
- PCS120GY-0 U/UTP Cat.5e DBOOT Patch cord Grey LSZH 24AWG 1.5M
- PCS120GY-2 U/UTP Cat.5e DBOOT Patch cord Grey LSZH 24AWG 2M
- PCS120GY-3 U/UTP Cat.5e DBOOT Patch cord Grey LSZH 24AWG 3M
- PG9551GY-1 F/UTP Cat.5e GOLD Patch cord Grey PVC 1M
- PG9551GY-0 F/UTP Cat.5e GOLD Patch cord Grey PVC 1.5M
- PG9551GY-2 F/UTP Cat.5e GOLD Patch cord Grey PVC 2M
- PG9551GY-3 F/UTP Cat.5e GOLD Patch cord Grey PVC 3M

1.1 Category 5e
Unshielded Permanent Link
Shielded Permanent Link

Installation cable

Wall outlet or
Consolidation point



- 52004 UC 300 Cat 5e UTP 24 AWG PVC, IEC 60332-1
- 52026 UC 300 Cat 5e UTP 24 AWG LSZH, IEC 60332-1
- 52034 UC 300 Cat 5e UTP 24 AWG PE, Outdoor
- 52048 UC300 Cat 5e UTP 24 AWG LSFRZH, IEC 60332-24
- 53025 UC 300 Cat 5e F/UTP 24 AWG PVC, IEC 60332-1
- 53041 UC 300 Cat 5e F/UTP 24 AWG LSZH, IEC 60332-1
- 53035 UC 300 Cat 5e F/UTP 24 AWG PE, Outdoor
- 53048 UC300 Cat.5e F/UTP 24 AWG LSFRZH, IEC 60332-24

- FPC01086 BS Flat Faceplate, 1-port, Classic, Metallic Coat Silver-Grey
- FPC01086G BS Flat Faceplate, 1-port, Classic, Metallic Coat Gold-White
- FPC01087 BS Flat Faceplate, 2-ports, Classic, Metallic Coat Silver-Grey
- FPC01087G BS Flat Faceplate, 2-ports, Classic, Metallic Coat Gold-White
- FPCA9286 10G BS Angle Faceplate, 1-port, White
- FPCA9287 10G BS Angle Faceplate, 2-port, White
- FPCA9288 10G BS Angle Faceplate, 4-port, White
- FP011331 Single port UK frame, 86x86 (LJ6C Type)
- FP011332 Dual port UK frame, 86x86 (LJ6C Type)
- MA1337 LJ6C Flat Single Adaptor, 38 x 25
- AA1338 LJ6C Angled Single Adaptor, 38 x 25
- BI1339 LJ6C Blank Insert, 38 x 25
- FPC01090 Wide, Flat Faceplate, 1-port, White
- FPC01091 Wide, Flat Faceplate, 2-port, White
- FPC01092 Wide, Flat Faceplate, 4-port, White
- FPC01093 Wide, Flat Faceplate, 6-port, White



- PG9561GY-1 F/UTP Cat.5e GOLD Patch cord Grey L5FRHF 1M
- PG9561GY-0 F/UTP Cat.5e GOLD Patch cord Grey L5FRHF 1.5M
- PG9561GY-2 F/UTP Cat.5e GOLD Patch cord Grey L5FRHF 2M
- PG9561GY-3 F/UTP Cat.5e GOLD Patch cord Grey L5FRHF 3M
- PC5210GY-1 F/UTP Cat.5e DBOOT Patch cord Grey PVC 26AWG 1M
- PC5210GY-0 F/UTP Cat.5e DBOOT Patch cord Grey PVC 26AWG 1.5M
- PC5210GY-2 F/UTP Cat.5e DBOOT Patch cord Grey PVC 26AWG 2M
- PC5210GY-3 F/UTP Cat.5e DBOOT Patch cord Grey PVC 26AWG 3M
- PC5220GY-1 F/UTP Cat.5e DBOOT Patch cord Grey LSZH 26AWG 1M
- PC5220GY-0 F/UTP Cat.5e DBOOT Patch cord Grey LSZH 26AWG 1.5M
- PC5220GY-2 F/UTP Cat.5e DBOOT Patch cord Grey LSZH 26AWG 2M
- PC5220GY-3 F/UTP Cat.5e DBOOT Patch cord Grey LSZH 26AWG 3M
- PC5210GY-1 F/UTP Cat.5e DBOOT Patch cord Green PVC 26AWG 1M
- PC5210GY-0 F/UTP Cat.5e DBOOT Patch cord Green PVC 26AWG 1.5M
- PC5210GY-2 F/UTP Cat.5e DBOOT Patch cord Green PVC 26AWG 2M
- PC5210GY-3 F/UTP Cat.5e DBOOT Patch cord Green PVC 26AWG 3M

- MJTR9660 Keystone Jack, Cat.5e, RJ45, UTP, 180°, Tool Fast, Blue
- KJTF1250W Keystone Jack, Cat.5e, RJ45, UTP, 90° Tool Free, White
- MJTF1252W Keystone Jack, Cat.5e, RJ45, UTP, 180°, Tool Free, White
- MJTR8660W Keystone Jack, Cat.5e, RJ45, UTP, 180°, Punch-down, White
- MJTR9669 Keystone Jack, Cat.6, RJ45, FTP, 180°, Tool Fast, Shielded
- MJTF1271 Keystone Jack, Cat.6a, RJ45, FTP, 180° Tool Free, Shielded



- CJ9240 Tool Fast for MJTR 9 Series Keystone
- CJ9340 Punch down Tool for MJTR 8 Series Keystone

Category 6 Solution Configurator

Unshielded Permanent Link
UCDATA®, UCCONNECT®

Floor distributor



PWU9747 19" 1U 24P UTP Punchdown Panel, RJ45, Cat.6,180°



PPU9749 19" 1U 24P UTP Keystone Panel, Empty, Cat6, 180°
 PPVU9752 19" 1U 24P UTP Angle Keystone Panel, Empty, Cat6 180°, Foldable patented
 PPU9773 19" 2U 48P UTP Keystone Panel, Empty, Cat6, 180°
 PWU0110 19" 1U 24P UTP Punchdown Panel, RJ45, Cat.6, 180°
 PPS9000 19" 1U 24P, 4 X Cassettes, Cat.5e, 180°
 PPVU9002 19" 1U 24P, Shielded, Empty, Angled, Cat 5e, 180°



MJTR9667 Keystone Jack,Cat.6,RJ45,UTP, 180°, Tool Fast, Blue
 KJTF1264B Keystone Jack,Cat.6,RJ45,UTP, 90° Tool Free, Solid Black
 MJTF1262W Keystone Jack,Cat.6,RJ45,UTP, 180° Tool Free, Solid White
 MJTR8667W Keystone Jack,Cat.6,RJ45,UTP, 180° Punchdown, Tool, Solid White



CM1U9849 19" 1U Cable management, Plastic light weight, Compact - 2.5 inch
 CM2U9850 19" 2U Cable management, Plastic light weight, Compact - 2.5 inch
 CM1U9851 19" 1U Cable management, Plastic light weight, Deep - 5 inch
 CM1U9852 19" 2U Cable management, Plastic light weight, Deep - 5 inch
 CM1U9861 19" 1U Cable management, Plastic light weight, Normal - 3 inch
 CM2U9863 19" 2U Cable management, light weight, Double side access



PG9701GY-1 U/UTP Cat6 GOLD Patch cord Grey PVC 24AWG 1M
 PG9701GY-0 U/UTP Cat6 GOLD Patch cord Grey PVC 24AWG 1.5M
 PG9701GY-2 U/UTP Cat6 GOLD Patch cord Grey PVC 24AWG 2M
 PG9701GY-3 U/UTP Cat6 GOLD Patch cord Grey PVC 24AWG 3M
 PG9705GY-1 U/UTP Cat6 GOLD Patch cord Grey LSZH 24AWG 1M
 PG9705GY-0 U/UTP Cat6 GOLD Patch cord Grey LSZH 24AWG 1.5M
 PG9705GY-2 U/UTP Cat6 GOLD Patch cord Grey LSZH 24AWG 2M
 PG9705GY-3 U/UTP Cat6 GOLD Patch cord Grey LSZH 24AWG 3M

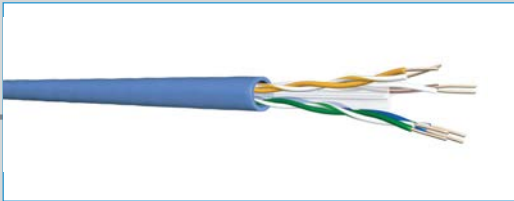
PS9671GY-1 U/UTP Cat6 SLIMF Patch cord Grey LSZH 1M- SLIMF
 PS9671GY- 0 U/UTP Cat6 SLIMF Patch cord Grey LSZH 1.5M- SLIMF
 PS9671GY- 2 U/UTP Cat6 SLIMF Patch cord Grey LSZH 2M- SLIMF
 PS9671GY- 3 U/UTP Cat6 SLIMF Patch cord Grey LSZH 3M- SLIMF

PC6110GY-1 U/UTP Cat.6 DBOOT Patch cord Grey PVC 24AWG 1M
 PC6110GY-0 U/UTP Cat.6 DBOOT Patch cord Grey PVC 24AWG 1.5M
 PC6110GY-2 U/UTP Cat.6 DBOOT Patch cord Grey PVC 24AWG 2M
 PC6110GY-3 U/UTP Cat.6 DBOOT Patch cord Grey PVC 24AWG 3M
 PC6120GY-1 U/UTP Cat.6 DBOOT Patch cord Grey LSZH 24AWG 1M
 PC6120GY-0 U/UTP Cat.6 DBOOT Patch cord Grey LSZH 24AWG 1.5M
 PC6120GY-2 U/UTP Cat.6 DBOOT Patch cord Grey LSZH 24AWG 2M
 PC6120GY-3 U/UTP Cat.6 DBOOT Patch cord Grey LSZH 24AWG 3M

1.2 Category 6
 Unshielded Permanent Link

Installation cable

Wall outlet or
 Consolidation point



- 60088 UC 400 Cat 6 UTP 23 AWG PVC, IEC 60332-1
- 60075 UC 400 Cat 6 UTP 23 AWG LSZH, IEC 60332-1
- 62488 UC 400 Cat 6 UTP Bronze 24 AWG PVC, IEC 60332-1
- 62475 UC 400 Cat 6 UTP Bronze 24 AWG LSZH, IEC 60332-1
- 60048 UC 400 Cat 6 UTP 23 AWG LSFRZH, IEC 60332-24
- 60034 UC 400 Cat 6 UTP 23 AWG PE, Outdoor



- FPCO1086 BS Flat Faceplate, 1-port, Classic, Metallic Coat Silver-Grey
- FPCO1086G BS Flat Faceplate, 1-port, Classic, Metallic Coat Gold-White
- FPCO1087 BS Flat Faceplate, 2-ports, Classic, Metallic Coat Silver-Grey
- FPCO1087G BS Flat Faceplate, 2-ports, Classic, Metallic Coat Gold-White

- FPCA9286 10G BS Angle Faceplate, 1-port, White
- FPCA9287 10G BS Angle Faceplate, 2-port, White
- FPCA9288 10G BS Angle Faceplate, 4-port, White

- FP011331 Single port UK frame, 86x86 (LJ6C Type)
- FP011332 Dual port UK frame, 86x86 (LJ6C Type)
- MA1337 LJ6C Flat Single Adaptor, 38 x 25
- AA1338 LJ6C Angled Single Adaptor, 38 x 25
- BI1339 LJ6C Blank Insert, 38 x 25

- FPCO1090 Wide, Flat Faceplate, 1-port, White
- FPCO1091 Wide, Flat Faceplate, 2-port, White
- FPCO1092 Wide, Flat Faceplate, 4-port, White
- FPCO1093 Wide, Flat Faceplate, 6-port, White



- MJTR9667 Keystone Jack, Cat.6, RJ45, UTP, 180°, Tool Fast, Blue
- KJTF1264B Keystone Jack, Cat.6, RJ45, UTP, 90° Tool Free, Solid Black
- MJTF1262W Keystone Jack, Cat.6, RJ45, UTP, 180° Tool Free, Solid White
- MJTR8667W Keystone Jack, Cat.6, RJ45, UTP, 180° Punch-down, Tool, Solid White



- CJ9240 Tool Fast for MJTR 9 Series Keystones
- CJ9340 Punch down Tool for MJTR 8 Series Keystones

Category 6 Solution Configurator

Shielded Permanent Link
UCDATA®, UCCONNECT®

Floor distributor



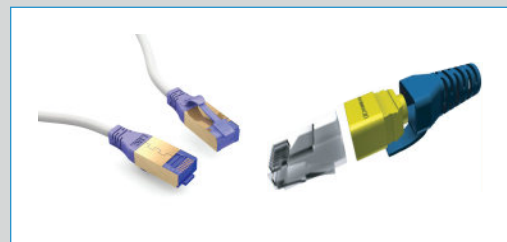
- PPS9748 19" 1U 24P FTP Keystone Panel, Empty, Cat6, 180°
- PPV59752 19" 1U 24P FTP Angle Keystone Panel, Empty, Cat6, 180°, Foldable patented
- PPS9772 19" 2U 48P FTP Keystone Panel, Empty, Cat6, 180°
- PPS0118 19" 1U 24P FTP Keystone Panel, Empty, Cat6, 180°
- PPS9000 19" 1U 24P, 4 X Cassettes, Cat.6, 180°
- PPVU9002 19" 1U 24P, Shielded, Empty, Angled, Cat 6, 180°



- MJTR9669 Keystone Jack, Cat.6, RJ45, FTP, 180°, Tool Fast, Shielded
- MJTf1271 Keystone Jack, Cat.6a, RJ45, FTP, 180° Tool Free, Shielded



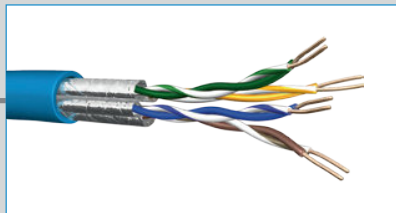
- CM1U9849 19" 1U Cable management, Plastic light weight, Compact - 2.5 inch
- CM2U9850 19" 2U Cable management, Plastic light weight, Compact - 2.5 inch
- CM1U9851 19" 1U Cable management, Plastic light weight, Deep - 5 inch
- CM1U9852 19" 2U Cable management, Plastic light weight, Deep - 5 inch
- CM1U9861 19" 1U Cable management, Plastic light weight, Normal - 3 inch
- CM2U9863 19" 2U Cable management, light weight, Double side access.



- PG9709GY-1 S/FTP Cat.6 GOLD Patch cord Grey PVC 27AWG 1M
- PG9709GY-0 S/FTP Cat.6 GOLD Patch cord Grey PVC 27AWG 1.5M
- PG9709GY-2 S/FTP Cat.6 GOLD Patch cord Grey PVC 27AWG 2M
- PG9709GY-3 S/FTP Cat.6 GOLD Patch cord Grey PVC 27AWG 3M
- PG9713GY-1 S/FTP Cat.6 GOLD Patch cord Grey L5FRZH 27AWG 1M
- PG9713GY-0 S/FTP Cat.6 GOLD Patch cord Grey L5FRZH 27AWG 1.5M
- PG9713GY-2 S/FTP Cat.6 GOLD Patch cord Grey L5FRZH 27AWG 2M
- PG9713GY-3 S/FTP Cat.6 GOLD Patch cord Grey L5FRZH 27AWG 3M
- PC6220GY-1 F/UTP Cat.6 DBOOT Patch cord Grey LSZH 26AWG 1M
- PC6220GY-0 F/UTP Cat.6 DBOOT Patch cord Grey LSZH 26AWG 1.5M
- PC6220GY-2 F/UTP Cat.6 DBOOT Patch cord Grey LSZH 26AWG 2M
- PC6220GY-3 F/UTP Cat.6 DBOOT Patch cord Grey LSZH 26AWG 3M

1.3 Category 6
 Shielded Permanent Link

Installation cable



- 11510 UC 400 Cat 6 S23 U/FTP 23 AWG, Patented 2 pairs foil, LSZH, IEC 60332-1
- 61088 UC 400 Cat 6 F/UTP 23 AWG PVC, IEC 60332-1
- 61075 UC 400 Cat 6 F/UTP 23 AWG LSZH, IEC 60332-1
- 65088 UC 400 Cat 6 S/FTP 23 AWG PVC, IEC 60332-1
- 65075 UC 400 Cat 6 S/FTP 23 AWG LSZH, IEC 60332-1
- 65048 UC 400 Cat 6 S/FTP 23 AWG LSFRZH, IEC 60332-24

Wall outlet or
 Consolidation point



- FPC01086 BS Flat Faceplate, 1-port, Classic, Metallic Coat Silver-Grey
- FPC01086G BS Flat Faceplate, 1-port, Classic, Metallic Coat Gold-White
- FPC01087 BS Flat Faceplate, 2-ports, Classic, Metallic Coat Silver-Grey
- FPC01087G BS Flat Faceplate, 2-ports, Classic, Metallic Coat Gold-White

- FPCA9286 10G BS Angle Faceplate, 1-port, White
- FPCA9287 10G BS Angle Faceplate, 2-port, White
- FPCA9288 10G BS Angle Faceplate, 4-port, White

- FP011331 Single port UK frame, 86x86 (LJ6C Type)
- FP011332 Dual port UK frame, 86x86 (LJ6C Type)
- MA1337 LJ6C Flat Single Adaptor, 38 x 25
- AA1338 LJ6C Angled Single Adaptor, 38 x 25
- BI1339 LJ6C Blank Insert, 38 x 25

- FPC01090 Wide, Flat Faceplate, 1-port, White
- FPC01091 Wide, Flat Faceplate, 2-port, White
- FPC01092 Wide, Flat Faceplate, 4-port, White
- FPC01093 Wide, Flat Faceplate, 6-port, White



- MJTR9669 Keystone Jack, Cat. 6, RJ45, FTP, 180°, Tool Fast, Shielded
- MJTF1271 Keystone Jack, Cat. 6a, RJ45, FTP, 180° Tool Free, Shielded



- CJ9240 Tool Fast for MJTR 9 Series Keystone
- CJ9340 Punch down Tool for MJTR 8 Series Keystone

1.

Solution Configurator
Category 6A
Unshielded Permanent Link

Category 6A Solution Configurator

Unshielded Permanent Link
UCDATA®, UCCONNECT®

Floor distributor



PPU9750 19" 1U 24P UTP Keystone Panel, Empty, Cat 6a, 180°



MJTF1270 Keystone Jack, Cat.6a, RJ45, UTP, 180° Tool Free, White



CM1U9849 19" 1U Cable management, Plastic light weight, Compact - 2.5 inch
CM2U9850 19" 2U Cable management, Plastic light weight, Compact - 2.5 inch
CM1U9851 19" 1U Cable management, Plastic light weight, Deep - 5 inch
CM1U9852 19" 2U Cable management, Plastic light weight, Deep - 5 inch
CM1U9861 19" 1U Cable management, Plastic light weight, Normal - 3 inch
CM2U9863 19" 2U Cable management, light weight, Double side access

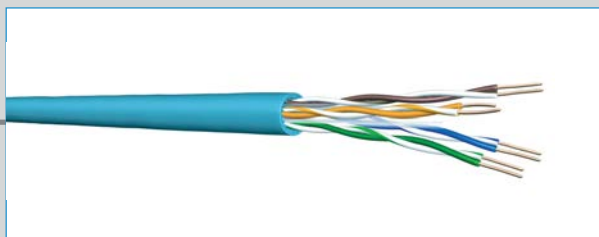


PC8120GY-1 U/UTP Cat.6a DBOOT Patch cord LSZH 24AWG 1M Grey
PC8120GY-0 U/UTP Cat.6a DBOOT Patch cord LSZH 24AWG 1.5M Grey
PC8120GY-2 U/UTP Cat.6a DBOOT Patch cord LSZH 24AWG 2M Grey

1.4 Category 6A
 Unshielded Permanent Link

Installation cable

Wall outlet or Consolidation point



80075 UC 500 Cat 6a U/UTP 23 AWG LSZH, IEC 60332-1



- FPC01086 BS Flat Faceplate, 1-port, Classic, Metallic Coat Silver-Grey
- FPC01086G BS Flat Faceplate, 1-port, Classic, Metallic Coat Gold-White
- FPC01087 BS Flat Faceplate, 2-ports, Classic, Metallic Coat Silver-Grey
- FPC01087G BS Flat Faceplate, 2-ports, Classic, Metallic Coat Gold-White

- FPCA9286 10G BS Angle Faceplate, 1-port , White
- FPCA9287 10G BS Angle Faceplate, 2-port , White
- FPCA9288 10G BS Angle Faceplate, 4-port , White

- FP011331 Single port UK frame, 86x86 (LJ6C Type)
- FP011332 Dual port UK frame, 86x86 (LJ6C Type)
- MA1337 LJ6C Flat Single Adaptor, 38 x 25
- AA1338 LJ6C Angled Single Adaptor, 38 x 25
- BI1339 LJ6C Blank Insert, 38 x 25

- FPC01090 Wide, Flat Faceplate, 1-port, White
- FPC01091 Wide, Flat Faceplate, 2-port, White
- FPC01092 Wide, Flat Faceplate, 4-port, White
- FPC01093 Wide, Flat Faceplate, 6-port, White



MJTF1270 Keystone Jack, Cat.6a,RJ45,UTP, 180° Tool Free, White

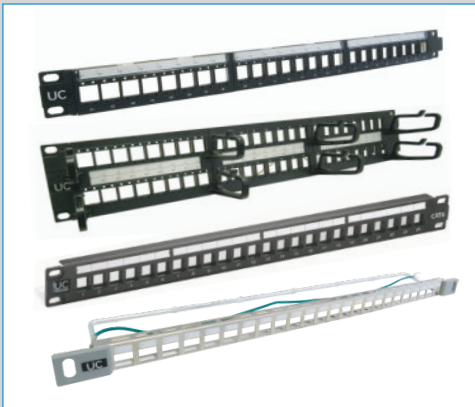
1.

Solution Configurator Category 6A Shielded Permanent Link

Category 6A Solution Configurator

Shielded Permanent Link
UCDATA®, UCCONNECT®

Floor distributor



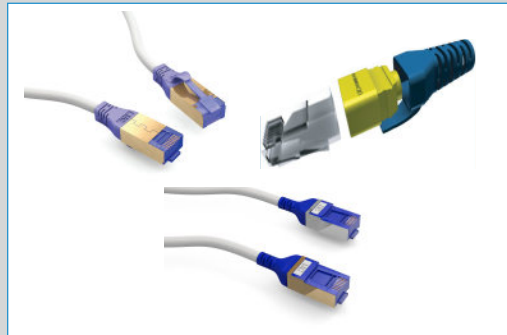
PPS9748	19" 1U 24P FTP Keystone Panel, Empty, Cat6a, 180°
PPV59752	19" 1U 24P FTP Angle Keystone Panel, Empty, Cat6a, 180°, Foldable patented
PPS9772	19" 2U 48P FTP Keystone Panel, Empty, Cat6a, 180°
PPS0118	19" 1U 24P FTP Keystone Panel, Empty, Cat6a, 180°
PPS9000	19" 1U 24P, 4 X Cassettes, Cat.6a, 180°
PPVU9002	19" 1U 24P, Shielded, Empty, Angled, Cat 6a, 180°
PPS0500	19" 1/2U, High Density, 24P, Empty, Cat 6a, 180°
PPS0600	19" 1U, High Density, 48P, Empty, Cat 6a, 180°



CM1U9849	19" 1U Cable management, Plastic light weight, Compact - 2.5 inch
CM2U9850	19" 2U Cable management, Plastic light weight, Compact - 2.5 inch
CM1U9851	19" 1U Cable management, Plastic light weight, Deep - 5 inch
CM1U9852	19" 2U Cable management, Plastic light weight, Deep - 5 inch
CM1U9861	19" 1U Cable management, Plastic light weight, Normal - 3 inch
CM2U9863	19" 2U Cable management, light weight, Double side access



KJTF1272	Keystone Jack, Cat.6a, RJ45, FTP, 90° Tool Free, Shielded, Ease Connect
KJTF1273	Keystone Jack, Cat.6a, Stranded, RJ45, FTP, 90° Tool Free, Shielded, Ease Connect
MJTR9214	Keystone Jack, Cat.6a, RJ45, FTP, 180°, Tool Fast, Shielded
MJTF1271	Keystone Jack, Cat.6a, RJ45, FTP, 180° Tool Free, Shielded
MJTF1000	Keystone Jack, Cat.6a, RJ45, FTP, 180° Tool Free, Shielded, HD

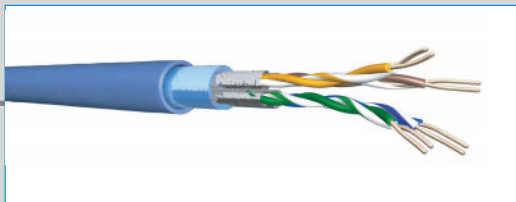


PG9201GY-1	S/FTP Cat.6a GOLD Patch cord Grey PVC 23AWG 1M
PG9201GY-0	S/FTP Cat.6a GOLD Patch cord Grey PVC 23AWG 1.5M
PG9201GY-2	S/FTP Cat.6a GOLD Patch cord Grey PVC 23AWG 2M
PG9201GY-3	S/FTP Cat.6a GOLD Patch cord Grey PVC 23AWG 3M
PG9205GY-1	S/FTP Cat.6a GOLD Patch cord Grey LSFRZH 23AWG 1M
PG9205GY-0	S/FTP Cat.6a GOLD Patch cord Grey LSFRZH 23AWG 1.5M
PG9205GY-2	S/FTP Cat.6a GOLD Patch cord Grey LSFRZH 23AWG 2M
PG9205GY-3	S/FTP Cat.6a GOLD Patch cord Grey LSFRZH 23AWG 3M
PC8320GY-1	U/FTP Cat.6a DBOOT Patch cord LSZH 26AWG 1M Grey
PC8320GY-0	U/FTP Cat.6a DBOOT Patch cord LSZH 26AWG 1.5M Grey
PC8320GY-2	U/FTP Cat.6a DBOOT Patch cord LSZH 26AWG 2M Grey
PC8320GY-3	U/FTP Cat.6a DBOOT Patch cord LSZH 26AWG 3M Grey
PC8420GY-1	S/FTP Cat.6a DBOOT Patch cord LSZH 26AWG 1M Grey
PC8420GY-0	S/FTP Cat.6a DBOOT Patch cord LSZH 26AWG 1.5M Grey
PC8420GY-2	S/FTP Cat.6a DBOOT Patch cord LSZH 26AWG 2M Grey
PC8420GY-3	S/FTP Cat.6a DBOOT Patch cord LSZH 26AWG 3M Grey
PS8671WH-1	S/FTP Cat.6a SLIMF Patch cord WHITE LSZH 1M, 30 AWG, SILVER Plug
PS8671WH-0	S/FTP Cat.6a SLIMF Patch cord WHITE LSZH 1.5M, 30 AWG, SILVER Plug
PS8671WH-2	S/FTP Cat.6a SLIMF Patch cord WHITE LSZH 2M, 30 AWG, SILVER Plug
PS8671WH-3	S/FTP Cat.6a SLIMF Patch cord WHITE LSZH 3M, 30 AWG, SILVER Plug
PS6671WH-1	S/FTP Cat.6a SLIMF Patch cord WHITE LSZH 1M, 30 AWG, GOLD Plug
PS6671WH-0	S/FTP Cat.6a SLIMF Patch cord WHITE LSZH 1.5M, 30 AWG, GOLD Plug
PS6671WH-2	S/FTP Cat.6a SLIMF Patch cord WHITE LSZH 2M, 30 AWG, GOLD Plug
PS6671WH-3	S/FTP Cat.6a SLIMF Patch cord WHITE LSZH 3M, 30 AWG, GOLD Plug

1.5 Category 6A
 Shielded Permanent Link

Installation cable

Wall outlet or Consolidation point



- 1113 UC 500 Cat 6a S23 U/FTP 23 AWG, Patented 2 pairs foil, LSZH, IEC 60332-1
- 11268 UC 500 Cat 6a AS23 F/FTP 23 AWG, Patented 2 pairs foil, LSZH, IEC 60332-1
- 86075 UC 500 Cat 6a U/FTP 23 AWG, Individual pair foil, LSZH, IEC 60332-1
- 84075 UC 500 Cat 6a F/FTP 23 AWG, Individual pair foil, LSZH, IEC 60332-1
- 85075 UC 500 Cat 6a S/FTP 23 AWG, Individual pair foil, 40% braid, LSZH, IEC 60332-1
- 83048 UC 500 Cat 6a F/UTP 23 AWG, Overall foil, LSFZRZH, IEC 60332-24
- 86048 UC 500 Cat 6a U/FTP 23 AWG, Individual pair foil, LSFZRZH, IEC 60332-24
- 85048 UC 500 Cat 6a S/FTP 23 AWG, Individual pair foil, LSFZRZH, 40% braid, LSFZRZH, IEC60332-24
- 83075 UC 500 Cat 6a F/UTP 23 AWG, Overall foil, LSZH, IEC 60332-1

- FPC01086 BS Flat Faceplate, 1-port, Classic, Metallic Coat Silver-Grey
- FPC01086G BS Flat Faceplate, 1-port, Classic, Metallic Coat Gold-White
- FPC01087 BS Flat Faceplate, 2-ports, Classic, Metallic Coat Silver-Grey
- FPC01087G BS Flat Faceplate, 2-ports, Classic, Metallic Coat Gold-White
- FPCA9286 10G BS Angle Faceplate, 1-port, White
- FPCA9287 10G BS Angle Faceplate, 2-port, White
- FPCA9288 10G BS Angle Faceplate, 4-port, White
- FP011331 Single port UK frame, 86x86 (LJ6C Type)
- FP011332 Dual port UK frame, 86x86 (LJ6C Type)
- MA1337 LJ6C Flat Single Adaptor, 38 x 25
- AA1338 LJ6C Angled Single Adaptor, 38 x 25
- BI1339 LJ6C Blank Insert, 38 x 25
- FPC01090 Wide, Flat Faceplate, 1-port, White
- FPC01091 Wide, Flat Faceplate, 2-port, White
- FPC01092 Wide, Flat Faceplate, 4-port, White
- FPC01093 Wide, Flat Faceplate, 6-port, White



- KJTF1272 Keystone Jack, Cat.6a, RJ45, FTP, 90° Tool Free, Shielded, Ease Connect
- KJTF1273 Keystone Jack, Cat.6a, Stranded, RJ45, FTP, 90° Tool Free, Shielded, Ease Connect
- MJTR9214 Keystone Jack, Cat.6a, RJ45, FTP, 180°, Tool Fast, Shielded
- MJTF1271 Keystone Jack, Cat.6a, RJ45, FTP, 180° Tool Free, Shielded
- MJTF1000 Keystone Jack, Cat.6a, RJ45, FTP, 180° Tool Free, Shielded, HD



CJ9240 Tool Fast for MJTR 9 Series Keystones



2. Cables

Reliable Brand and Quality

In the communication infrastructure, our well proven products are always in use wherever it is a question of professional and undisturbed data, voice, audio and video transmission. The Draka UC range as described in this brochure has been designed for data transmission and offers a high-capacity and flexible cable concept with best future prospects to our customers from within the industry, trade and service sector.

High speed

The demands on modern networks are very high. Speed and transmission reliability are of utmost priority. In this respect, Gigabit Ethernet offers an enormous potential for the future.

For many years, we have been a partner to companies from within the industry, trade and service sector. Thus we are well aware of our customers' needs. Planning reliability is an important factor for you and for us, as today's cable concepts must also meet the requirements of tomorrow's developments. The Draka UC range has the physical potential to support structured networking for future requirements.

Our product range (Cat.5e, Cat.6, Cat.7 Cat.8.2 and multimedia cables) has been adjusted to a variety of applications and allows highest transmission ratios. For high-end applications, our UC900 up to UC1500 series offer important reserve capacity. Our cable series have been designed to also allow cable sharing between all categories on the level of the lower category.

Flexibility

Our high-quality UC cables are always in use wherever it is a question of high-speed data transmission in local networks (LAN). They are used for standardized and manufacturer-independent networks – e.g. Token Ring, Ethernet, ISDN, TPDDI, Fast Ethernet 1000BaseT

or 10GbE. Aside from voice and data communication, our solutions are also applicable for video communication. Among others, our product range comprises installation and patch cables which have been tested as to their compatibility with common components. Thus, we can guarantee maximum transmission reliability.

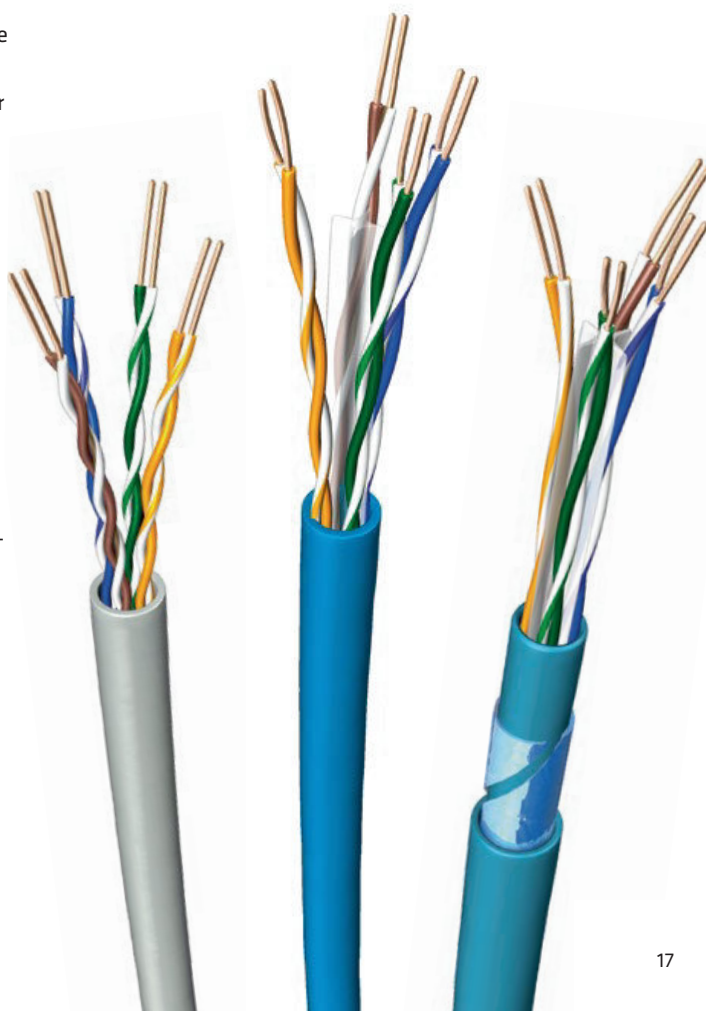
Free choice

The right equipment for all applications: Whether high transmission capacity, electromagnetic compatibility (EMC) or best fire retardancy characteristics: We can offer the optimum data cable for every application. All our products are certainly manufactured at the highest quality standards. And it is no question that we will be pleased to advise you as to the installation. Short delivery times and best service guaranteed.

Third Party Certifications



Our high quality UC cables are verified by the world's most recognized 3rd party certification agencies, assuring our cables are meeting or exceeding the required EIA/TIA and IEC standards. 3P, ETL & EC are commonly used as a proof of our quality assurance, depending on the region's familiarity on the 3rd party testing agencies.



2.1	CATEGORY 5e	
	UC300 24 Cat 5e U/UTP	19
	UC300 24 Cat 5e F/UTP	20
2.2	CATEGORY 6	
	UC400 24 Cat.6 U/UTP BRONZE	21
	UC400 23 Cat.6 F/UTP	22
	UC400 S23 Cat.6 U/FTP	23
	UC400 23 Cat.6 U/UTP	24
2.3	CATEGORY 6 _A	
	UC500 S23 Cat.6 _A U/FTP	25
	UC500 AS23 Cat.6 _A F/FTP	26
	UC500 23 Cat.6 _A U/UTP	27
	UC500 23 Cat.6 _A U/FTP	28
	UC500 23 Cat.6 _A F/FTP	29
	UC500 23 Cat.6 _A S/FTP	30
2.4	CATEGORY 7	
	UC900 HS23 Cat.7	31
	UC900 SS23 Cat.7	32
2.5	CATEGORY 7 _A	
	UC1200 HS23 Cat.7 _A	33
	UC1200 SS23 Cat.7 _A	34
	UC1500 HS22 Cat.7 _A	35
	UC1500 SS22 Cat.7 _A	36
2.6	CATEGORY 8.2	
	UC ^{FUTURE} COMPACT22 Cat.8.2 S/FTP 2000MHz	37

UC300 24 Cat 5e U/UTP

Standard, Solid



Construction

Conductor	Bare copper wire Ø 0.51 mm (AWG24)
Insulation	PE, Ø 0.9 mm
Sheath	PVC, LSZH and PE
Sheath colour	PVC : Grey; LSZH : Grey ; PE : Black
Outer Diameter	Nom. 4.8 mm
Weight	Nom. 28 kg /km

Mechanical properties

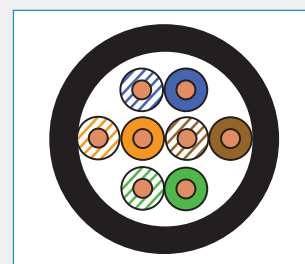
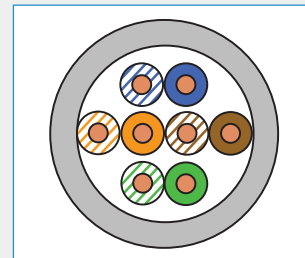
Minimum bending radius Installation	4 x Diameter
Maximum tensile load, Installation	Nom. 100 N
Maximum tensile load, Installed	No stretch
Temperature range during operation	-20°C up to +60°C
Temperature range during installation	0°C up to +50°C

Electrical properties at 20°C

Mean Characteristic impedance 100 Mhz	(100 ± 5) Ω
DC Loop Resistance	Nom. 176.1 Ω/km
DC Resistance Unbalance	≤ 0.4 %
Propagation Delay	≤ 576.0 ns
Delay Skew, maximum at 100MHz	≤ 77.0 ns
Mutual Capacitance	Nom. 48.9 pF/m
Capacitance Unbalance (pair to ground)	≤ 110 pF/km
Nominal Velocity of Propagation (NVP)	Nom. 67%
Attenuation @100 Mhz	199.4 dB/km
NEXT @ 100 Mhz	30 dB
PS-NEXT @ 100 Mhz	28 dB
ACR @ 100 Mhz	21.2 dB
PS-ACR @ 100 Mhz	30 dB
ELFEXT @ 100 Mhz	28 dB
PS-ELFEXT @ 100 Mhz	33 dB
Return Loss @ 100 Mhz	7.9 dB

- All above stated values are nominal and subject to changes.
- For more details on electrical properties please request for datasheet.

2.1. Cables



Application

Primary (Campus)
Secondary (Riser)
Tertiary (Horizontal)

IEEE 802.3: 10Base-T: 100Base-T:
1000Base-T: IEEE 802.5 16 MB:
ISDN: TPDDI:ATM
Power over Ethernet PoE/PoE+
IEEE 802.3af and IEEE 802.3at

Standards

ANSI TIA/EIA 568-C.2;
ISO/IEC 11801 2nd Ed.;
IEC 61156-5 2nd Ed.;
EN 50173; EN 50288-3-1:2013

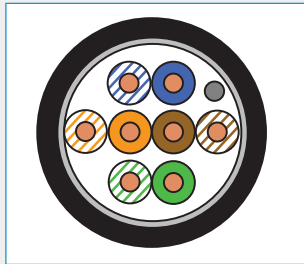
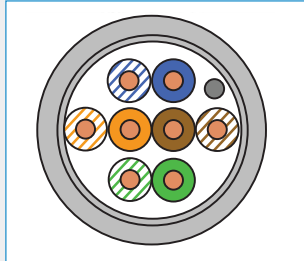
Fire Rating

PVC IEC 60332-1-2
LSZH IEC 60332-1-2; IEC 60754-1&2 ;
IEC 61034-2
LSFRZH IEC 60332-1-2; IEC 60332-3-24
IEC 60754-1&2 IEC 61034-2

Ordering Information

SAP IC	UC P/N	Product Description	P.U
60011062	52004	UC 300 Cat 5e UTP 24 AWG PVC	305m/box
60026275	52026	UC 300 Cat 5e UTP 24 AWG LSZH	305m/box
60010244	52034	UC 300 Cat 5e UTP 24 AWG PE, Outdoor	500m/reel
TBA	52048	UC 300 Cat5e UTP 24 AWG LSFRZH	500m/reel

2.1. Cables



Application

Primary (Campus)

Secondary (Riser)

Tertiary (Horizontal)

IEEE 802.3: 10Base-T; 100Base-T;
1000Base-T; IEEE 802.5 16 MB;
ISDN; TPDDI; ATM
Power over Ethernet PoE/PoE+
IEEE 802.3af and IEEE 802.3at

Standards

ANSI TIA/EIA 568-C.2;
ISO/IEC 11801 2nd Ed.;
IEC 61156-5 2nd Ed.;
EN 50173; EN 50288-3-1:2013

Fire Rating

PVC IEC 60332-1-2
LSZH IEC 60332-1-2;
IEC 60754-1&2 ;
IEC 61034-2
LSFRZH IEC 60332-1-2;
IEC 60332-3-24
IEC 60754-1&2
IEC 61034-2

UC300 24 Cat 5e F/UTP

Standard, Solid



Construction

Conductor	Bare copper wire Ø 0.5 mm (AWG24)
Insulation	PE, Nom. Ø 1.04 mm
Sheath	PVC; alternatives LSZH and PE
Sheath colour	PVC : Grey; LSZH : Grey ; PE : Black
Screen	Al-laminated plastic foil, drain wire AWG 26 tinned
Outer Diameter	Nom. 5.9 mm
Weight	Nom. 32kg /km

Mechanical properties

Minimum bending radius Installation	4 x Diameter
Maximum tensile load, Installation	Nom. 100 N
Maximum tensile load, Installed	No stretch
Temperature range during operation	-20°C up to +60°C
Temperature range during installation	0°C up to +50°C

Electrical properties at 20°C

Mean Characteristic impedance @ 100 Mhz	(100 ± 5) Ω
DC Loop Resistance	Nom. 176.1 Ω /km
DC Resistance Unbalance, maximum	≤ 0.4 %
Propagation Delay, minimum margin to limit	Nom. 576 ns
Delay Skew, maximum at 100MHz	Nom. 77.0 ns
Return Loss (1-100MHz) min	≥ 3.9 dB
Mutual Capacitance	Nom. 48.9 pF/km
Capacitance Unbalance, maximum	110 pF/km
Nominal Velocity of Propagation (NVP)	Nom. 67%
Attenuation @100 Mhz	199.4 dB/km
NEXT @ 100 Mhz	30 dB
PS-NEXT @ 100 Mhz	28 dB
ACR @ 100 Mhz	21.2 dB
PS-ACR @ 100 Mhz	30 dB
ELFEXT @ 100 Mhz	28 dB
PS-ELFEXT @ 100 Mhz	33 dB
Return Loss @ 100 Mhz	7.9 dB

- All above stated values are nominal and subject to changes.
- For more details on electrical properties please request for datasheet.

Ordering Information

SAP IC	UC P/N	Product Description	P.U
60011026	53025	UC 300 Cat 5e F/UTP 24 AWG PVC, Indoor	305m/box
60011534	53041	UC 300 Cat 5e F/UTP 24 AWG LSZH, Indoor	305m/box
TBA	53035	UC 300 Cat 5e F/UTP 24 AWG PE, Outdoor	500m/reel
TBA	53048	UC 300 Cat 5e F/UTP 24 AWG LSFRZH	500m/reel

UC400 24 Cat. 6 U/UTP BRONZE

Slim, Solid



2.2. Cables

Construction

Conductor	Bare copper wire Ø 0.52 mm (AWG24)
Insulation	PE, Nom. Ø 0.95 mm
Sheath	PVC or LSZH
Sheath Colour	PVC, LSZH : GREY
Outer Diameter	Nom. 5.4 mm
Weight	Nom. 35kg /km

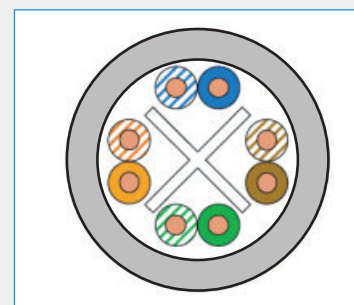
Mechanical properties

Minimum bending radius Installation	8 x Diameter
Minimum bending radius Installed	8 x Diameter
Temperature range during operation	-10°C up to +60°C
Temperature range during installation	-10°C up to +60°C

Electrical properties at 20°C

DC Resistance	≤ 655 Ω /km
Resistance Unbalance	≤ 0.26 %
Mutual Capacitance	Nom. 476 nF/km
Capacitance Unbalance (pair to ground)	≤ 275 pF/km
Nominal Velocity of Propagation	Nom. 67%
Applied Voltage	Nom. 2.5kV
Attenuation @250 Mhz	30.6 dB
NEXT @ 250 Mhz	52.9 dB
PS-NEXT @ 250 Mhz	51.7 dB
ACR-F @ 250 Mhz	38.4 dB
PS-ACR-F @ 250 Mhz	37.2 dB
Return Loss @ 250 Mhz	27.7 dB

- All above stated values are nominal and subject to changes.
- For more details on electrical properties please request for datasheet.



Application

Primary (Campus)

Secondary (Riser)

Tertiary (Horizontal)

IEEE 802.3: 10Base-T; 100Base-T;
1000Base-T; IEEE 802.5 16 MB;
ISDN; TPDDI; ATM
Power over Ethernet PoE/PoE+
IEEE 802.3af and IEEE 802.3at

Standards

ANSI TIA/EIA 568-C.2;
ISO/IEC 11801 2nd Ed.;
IEC 61156-5 2nd Ed.;
EN 50173; EN 50288-3-1:2013

Fire Rating

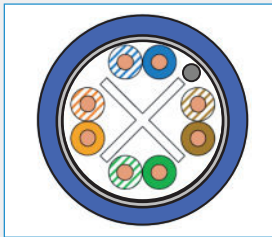
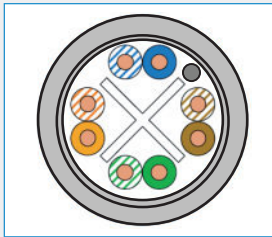
PVC IEC 60332-1-2
LSZH IEC 60332-1-2 ; IEC 60754-1&2 ;
IEC 61034-2
LSFRZH IEC 60332-1-2 ; IEC 60332-3-24
IEC 60754-1&2 IEC 61034-2

Ordering Information

SAP IC	UC P/N	Product Description	P.U
TBA	62488	UC 400 Cat 6 UTP Bronze 24 AWG PVC	305m/box
TBA	62475	UC 400 Cat 6 UTP Bronze 24 AWG LSZH	305m/box

UC400 23 Cat. 6 F/UTP

Standard, Solid



Application

Primary (Campus)
Secondary (Riser)
Tertiary (Horizontal)
IEEE 802.3: 10Base-T; 100Base-T;
1000Base-T; IEEE 802.5 16 MB;
ISDN; TPDDI; ATM
IEEE 802.3af (PoE) ; IEEE 802.3at
(PoE+)

Standards

ANSI TIA/EIA 568-C.2;
ISO/IEC 11801 2nd Ed.;
IEC 61156-5 2nd Ed.;
EN 50173; EN 50288-3-1:2013

Fire Rating

PVC IEC 60332-1-2
LSZH IEC 60332-1-2 ;
IEC 60754-1&2 ;
IEC 61034-2
LSFRZH IEC 60332-1-2 ;
IEC 60332-3-24
IEC 60754-1&2
IEC 61034-2

Construction

Conductor	Bare copper wire Ø 0.57 mm (AWG23)
Insulation	PE, Nom. Ø 0.95 mm
Sheath	PVC or LSZH or LSFRZH
Sheath Colour	PVC, LSZH, LSFRZH : GREY
Outer Diameter	Nom. 6.86 mm
Weight	Nom. 51.62 kg /km

Mechanical properties

Minimum bending radius Installed	4 x Diameter
Minimum bending radius Installed	4 x Diameter
Temperature range during operation	-10°C up to +60°C
Temperature range during installation	-10°C up to +60°C

Electrical properties at 20°C

DC Loop Resistance	≤ 150 Ω / km
DC Resistance Unbalance	≤ 0.1 %
Insulation Resistance (500 V)	≥ 160, 000 MΩ/Km
Mutual Capacitance	Nom. 52.2 nf /km
Capacitance Unbalance (pair to ground)	≤ 190 pf /km
Nominal Velocity of Propagation	Nom. 67 %
Applied Voltage (DC, 1 min)	Nom. 1000 V
Attenuation @250 Mhz	30.6 dB
NEXT @ 250 Mhz	52.9 dB
PS-NEXT @ 250 Mhz	51.7 dB
ACR @ 250 Mhz	38.4 dB
PS-ACR @ 250 Mhz	37.2 dB
Return Loss @ 250 Mhz	27.7 dB

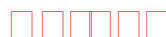
- All above stated values are nominal and subject to changes.
- For more details on electrical properties please request for datasheet.

Ordering Information

SAP IC	UC P/N	Product Description	P.U
TBA	61088	UC 400 Cat 6 F/UTP 23 AWG PVC	500m/reel
TBA	61088BL	UC 400 Cat 6 F/UTP 23 AWG PVC Blue	500m/reel
TBA	61075	UC 400 Cat 6 F/UTP 23 AWG LSZH	500m/reel
TBA	61075BL	UC 400 Cat 6 F/UTP 23 AWG LSZH Blue	500m/reel
TBA	61048	UC 400 Cat 6 F/UTP 23 AWG LSFRZH	500m/reel
TBA	61048BL	UC 400 Cat 6 F/UTP 23 AWG LSFRZH Blue	500m/reel

UC400 S23 Cat. 6 U/FTP

Premium, Solid, LSZH



2.2. Cables

Construction

Conductor	Bare copper wire Ø 0.57 mm (AWG23)
Insulation	PE, Nom. Ø 1.0 mm
Sheath	LSZH
Sheath Colour	Blue
Pair Screen	High Performance STP: Al-laminated plastic foil, patented wrapping of two pairs each, drain wire AWG 26 tinned
Outer Diameter	Nom. 6.5 mm
Weight	Nom. 41 kg /km

Mechanical properties

Minimum bending radius without load	≥ 35 mm
Minimum bending radius with load	≥ 70 mm
Temperature range during operation	-20°C up to +60°C
Temperature range during installation	0°C up to +50°C

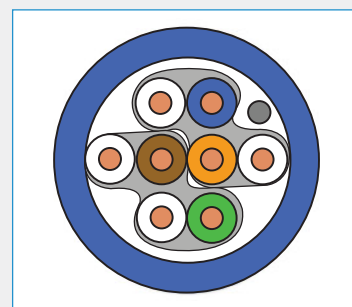
Electrical properties at 20°C

DC Loop Resistance	≤ 176 Ω /km
Resistance Unbalance	≤ 2%
Insulation Resistance (500 V)	≥ 2000 MΩ *km
Capacitance at 800 Hz	Nom. 43 nF /km
Capacitance Unbalance (pair to ground)	≤ 1500 pF /km
Characteristic Impedance 1- 100 MHz	(100 ± 15) Ω
Characteristic Impedance 100- 250 MHz	(100 ± 18) Ω
Nominal Velocity of Propagation	Nom. 79 %
Propagation Delay	Nom. 427 ns /100m
Delay Skew	Nom. 12 ns /100m
Test voltage (DC, 1 min) Core/Core	Nom. 1000 V
Coupling Attenuation	≥ 55dB
Attenuation @250 Mhz	28.8 dB
NEXT @ 250 Mhz	90 dB
PS-NEXT @ 250 Mhz	97 dB
ACR @ 250 Mhz	62 dB
PS-ACR @ 250 Mhz	59 dB
PS-ELFEXT @250 Mhz	66 dB
Return Loss @ 250 Mhz	20 dB

- All above stated values are nominal and subject to changes.
- For more details on electrical properties please request for datasheet.

Ordering Information

SAP IC	UC P/N	Product Description	P.U
60011510	11510	UC 400 Cat 6 S23 U/FTP 23 AWG, Patented 2 Pairs Foil, LSZH	500m/reel



Application

Primary (Campus)

Secondary (Riser)

Tertiary (Horizontal)

IEEE 802.3: 10Base-T; 100Base-T;
1000Base-T; IEEE 802.5 16 MB;
ISDN; TPDDI; ATM
Power over Ethernet PoE/PoE+
IEEE 802.3af and IEEE 802.3at

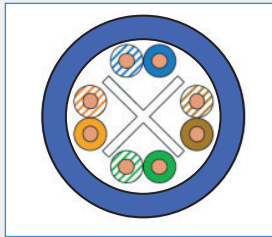
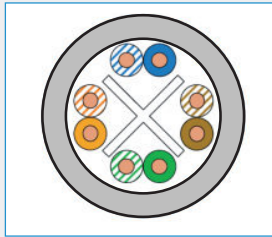
Standards

ANSI TIA/EIA 568-C.2;
ISO/IEC 11801 2nd Ed.;
IEC 61156-5 2nd Ed.;
EN 50173; EN 50288-3-1:2013

Fire Rating

PVC IEC 60332-1-2
LSZH IEC 60332-1-2 ; IEC 60754-1&2 ;
IEC 61034-2
LSFRZH IEC 60332-1-2 ; IEC 60332-3-24
IEC 60754-1&2 IEC 61034-2

2.2. Cables



Application

Primary (Campus)

Secondary (Riser)

Tertiary (Horizontal)

IEEE 802.3: 10Base-T; 100Base-T;

1000Base-T; IEEE 802.5 16 MB;

ISDN; TPDDI; ATM

Power over Ethernet PoE/PoE+

IEEE 802.3af and IEEE 802.3at

Standards

ANSI TIA/EIA 568-C.2;

ISO/IEC 11801 2nd Ed.;

IEC 61156-5 2nd Ed.;

EN 50173; EN 50288-3-1:2013

Fire Rating

PVC IEC 60332-1-2

LSZH IEC 60332-1-2 ;

IEC 60754-1&2 ;

IEC 61034-2

LSFRZH IEC 60332-1-2 ;

IEC 60332-3-24

IEC 60754-1&2

IEC 61034-2

UC400 23 Cat. 6 U/UTP

Premium, Solid



Construction

Conductor	Bare copper wire Ø 0.57 mm (AWG23)
Insulation	PE, Nom. Ø 0.98 mm
Sheath	PVC or LSZH or LSFRZH
Sheath Colour	PVC, LSZH, LSFRZH : GREY/BLUE ; PE : BLACK
Outer Diameter	Nom. 6.3 mm
Weight	Nom. 40 kg /km

Mechanical properties

Minimum bending radius Installation	4 x Diameter
Minimum bending radius Installed	4 x Diameter
Temperature range during operation	-20°C up to +60°C
Temperature range during installation	0°C up to +50°C

Electrical properties at 20°C

Characteristic Impedance (1-250 Mhz)	(100 ± 5) Ω
DC-loop Resistance	Nom. 146.2 Ω/km
Resistance Unbalance	≤ 0.7 %
Capacitance, nominal	Nom. 52.0 pF /km
Capacitance Unbalance, maximum	≤ 57 pF/km
Propagation Delay, minimum margin to limit	≥ 427.0 ns
Delay Skew, maximum at 1-250MHz	≤ 212 ns
Nominal Velocity of Propagation (NVP)	Nom. 67%
Attenuation @250 Mhz	315.6 dB/km
NEXT @ 250 Mhz	52.9 dB
PS-NEXT @ 250 Mhz	51.7 dB
ACR @ 250 Mhz	25.3 dB
PS-ACR @ 250 Mhz	21.1 dB
EL-FEXT @250 Mhz	38.4 dB
PS-ELFEXT @ 250 Mhz	26 dB
Return Loss @ 250 Mhz	7.3 dB

- All above stated values are nominal and subject to changes.
- For more details on electrical properties please request for datasheet.

Ordering Information

SAP IC	UC P/N	Product Description	P.U
TBA	60088	UC 400 Cat 6 UTP 23 AWG PVC	305m/box
TBA	60088BL	UC 400 Cat 6 UTP 23 AWG PVC Blue	305m/box
TBA	60075	UC 400 Cat 6 UTP 23 AWG LSZH	305m/box
TBA	60075BL	UC 400 Cat 6 UTP 23 AWG LSZH Blue	305m/box
TBA	60034	UC 400 Cat 6 UTP 23 AWG PE, Outdoor	500m/reel
TBA	60048	UC 400 Cat 6 UTP 23 AWG LSFRZH	305m/box
TBA	60048BL	UC 400 Cat 6 UTP 23 AWG LSFRZH Blue	305m/box

UC500 S23 Cat.6A U/FTP



Premium, Solid, LSZH



2.3. Cables

Construction

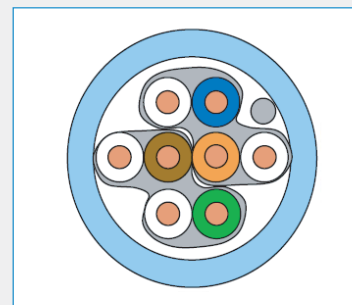
Conductor	Bare copper wire Ø 0.56 mm (AWG23)
Insulation	PE , Nom. Ø 1.35 mm
Sheath	LSZH
Sheath Colour	Blue
Pair Screen	Patented High Performance Pair Screen wrapping of two pairs
Outer Diameter	Nom. 6.9 mm
Weight	Nom. 45 kg /km

Mechanical properties

Minimum bending radius Installation	8 x O.D
Minimum bending radius Installed	4 x O.D
Temperature range during operation	-20°C up to +60°C
Temperature range during installation	0°C up to +50°C

Electrical properties at 20°C

DC Loop Resistance	≤ 176 Ω /km
DC Resistance Unbalance	≤ 2%
Insulation Resistance (500 V)	≥ 2000 MΩ *km
Capacitance at 800 Hz	Nom. 43 nF /km
Capacitance Unbalance (pair to ground)	≤ 1500 pF /km
Characteristic Impedance 1-100 MHz	(100 ± 15) Ω
Nominal Velocity of Propagation	Nom. 79 %
Propagation Delay	Nom. 450 ns /100m
Delay Skew	Nom. 15 ns /100m
Test Voltage (DC, 1 min) Core/Core	Nom. 1000 V
Coupling Attenuation	≥ 55dB
Attenuation @500 Mhz	44.8 dB
NEXT @ 500 Mhz	85.0 dB
PS-NEXT @ 500 Mhz	82.0 dB
ACR @ 500 Mhz	40.0 dB
PS-ACR @ 500 Mhz	37.0 dB
PS-ACR-F @ 500 Mhz	58.0 dB



Application

Primary (Campus)

Secondary (Riser)

Tertiary (Horizontal)

IEEE 802.3: 10Base-T; 100Base-T;
1000Base-T; 10GBase-T;
IEEE 802.5 16 MB; ISDN; TPDDI; ATM
IEEE 802.3af (PoE) ; IEEE 802.3at (PoE+)

Standards

ANSI TIA/EIA 568-C.2;
ISO/IEC 11801 2nd Ed.;
IEC 61156-5 2nd Ed ;
EN 50173; EN 50288-3-1:2013

Fire Rating

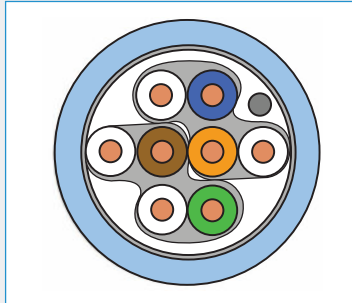
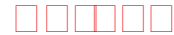
PVC IEC 60332-1-2
LSZH IEC 60332-1-2 ; IEC 60754-1&2 ;
IEC 61034-2

Ordering Information

SAP IC	UC P/N	Product Description	P.U
60011113	11113	UC 500 Cat 6a S23 U/FTP 23 AWG, Patented 2 pairs foil, LSZH	500m/reel

UC500 AS23 Cat.6A F/FTP

Premium, Solid, LSZH



Application

Primary (Campus)

Secondary (Riser)

Tertiary (Horizontal)

IEEE 802.3: 10Base-T; 100Base-T;

1000Base-T; 10GBase-T;

IEEE 802.5 16 MB; ISDN; TPDDI; ATM

IEEE 802.3af (PoE) ; IEEE 802.3at
a(PoE+)

Standards

ANSI TIA/EIA 568-C.2;

ISO/IEC 11801 2nd Ed.;

IEC 61156-5 2nd Ed ;

EN 50173; EN 50288-3-1:2013

Fire Rating

PVC IEC 60332-1-2

LSZH IEC 60332-1-2 ;

IEC 60754-1&2 ;

IEC 61034-2

Construction

Conductor	Bare copper wire Ø 0.56 mm (AWG23)
Insulation	Foamskin PE , Nom. Ø 1.35 mm
Sheath	LSZH
Sheath colour	Blue
Pair Screen	Patented High Performance Pair Screen wrapping of two pairs
Overall Screen	Advanced screen: Al-laminated plastic foil, drain wire AWG26 tinned
Outer Diameter	Nom. 7.1 mm
Weight	Nom. 47 kg /km

Mechanical properties

Minimum bending radius without load	≥ 8 x O.D
Minimum bending radius with load	≥ 8 x O.D
Temperature range during operation	-20°C up to +60°C
Temperature range during installation	0°C up to +50°C

Electrical properties at 20°C

DC Loop Resistance	≤ 176 Ω /km
DC Resistance Unbalance	≤ 2%
Insulation Resistance (500 V)	≥ 2000 MΩ *km
Capacitance at 800 Hz	Nom. 43 nF /km
Capacitance Unbalance (pair to ground)	≤ 1500 pF /km
Mean Characteristic Impedance 100 MHz	(100 ± 5) Ω
Nominal Velocity of Propagation	Nom. 79 %
Propagation Delay	Nom. 427 ns /100m
Delay Skew	Nom. 12 ns /100m
Applied Voltage (DC, 1 min) core/core and core/screen	Nom. 1000 V
Transfer Impedence	At 1 MHz; ≤ 20mΩ / m
	At 10 MHz; ≤ 50mΩ / m
	At 30 MHz; ≤ 100mΩ / m
Coupling Attenuation	≥ 55dB
Attenuation @500 Mhz	44.8 dB
NEXT @ 500 Mhz	85.0 dB
PS-NEXT @ 500 Mhz	82.0 dB
ACR @ 500 Mhz	40.0 dB
PS-ACR @ 500 Mhz	37.0 dB
PS-ACRF @ 500 Mhz	58.0 dB

Ordering Information

SAP IC	UC P/N	Product Description	P.U
60011268	11268	UC 500 Cat 6a AS23 F/FTP 23 AWG, Patented 2 Pairs Foil, LSZH, IEC 60332-1	500m/reel

UC500 23 Cat.6A U/UTP

Standard, Solid, LSZH



2.3. Cables

Construction

Conductor	Bare copper wire Ø 0.56 mm (AWG23/1)
Insulation	PE , Nom. Ø 1.03 mm
Sheath	LSZH
Sheath Colour	PVC : Blue; LSZH : Blue
Outer Diameter	Nom. 8.6 mm
Weight	Nom. 56 kg /km

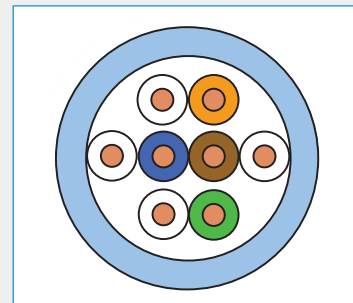
Mechanical properties

Minimum bending radius without load	8 x Diameter
Minimum bending radius with load	8 x Diameter
Temperature range during operation	-10°C up to +60°C
Temperature range during installation	-10°C up to +60°C

Electrical properties at 20°C

DC Loop Resistance	≤ 150 Ω /km
DC Resistance Unbalance	≤ 0.1 %
Insulation Resistance (2.5 kV d.c.)	≥ 160,000 MΩkm
Mutual Capacitance at 800 Hz	Nom. 50 nF /km
Capacitance Unbalance (pair to ground)	≤ 190 pF /km
Mean Characteristic Impedance 100 MHz	(100 ± 10) Ω
Nominal Velocity of Propagation	Nom. 65 %
Propagation Delay	Nom. 557 ns / 100m
Delay Skew	Nom 35.4 ns / 100m
Test Voltage (d.c. ;2 sec)	Nom. 2.5 kV
Attenuation @500 Mhz	41.0 dB
NEXT @ 500 Mhz	56.6 dB
PS-NEXT @ 500 Mhz	54.6 dB
ACR @ 500 Mhz	16.6 dB
ACRF @ 500 Mhz	38.0 dB
PS-ACRF @ 500 Mhz	35.8 dB

- All above stated values are nominal and subject to changes.
- For more details on electrical properties please request for datasheet.



Application

Primary (Campus)

Secondary (Riser)

Tertiary (Horizontal)

IEEE 802.3: 10Base-T; 100Base-T;

1000Base-T; 10GBase-T;

IEEE 802.5 16 MB; ISDN; TPDDI; ATM

IEEE 802.3af (PoE) ; IEEE 802.3at (PoE+)

Standards

ANSI TIA/EIA 568-C.2;

ISO/IEC 11801 2nd Ed.;IEC 61156-5 2nd Ed ;

EN 50173; EN 50288-3-1:2013

Fire Rating

PVC IEC 60332-1-2

LSZH IEC 60332-1-2 ; IEC 60754-1&2 ;

IEC 61034-2

LSFRZH IEC 60332-1-2 ; IEC 60332-3-24

IEC 60754-1&2 IEC 61034-2

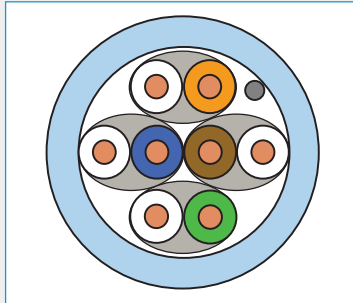
Ordering Information

SAP IC	UC P/N	Product Description	P.U
60025517	80075	UC 500 Cat 6a U/UTP 23 AWG LSZH	500m/reel
TBA	80048	UC 500 Cat 6a U/UTP 23 AWG LSFZRZH	500m/reel

2.3. Cables

UC500 23 Cat.6A U/FTP

Standard, Solid, LSZH



Application

Primary (Campus)

Secondary (Riser)

Tertiary (Horizontal)

IEEE 802.3: 10Base-T; 100Base-T;

1000Base-T; 10GBase-T;

IEEE 802.5 16 MB; ISDN; TPDDI; ATM

IEEE 802.3af (PoE) ; IEEE 802.3at (PoE+)

Standards

ANSI TIA/EIA 568-C.2;

ISO/IEC 11801 2nd Ed.;

IEC 61156-5 2nd Ed ;

EN 50173; EN 50288-3-1:2013

Fire Rating

PVC IEC 60332-1-2

LSZH IEC 60332-1-2 ;

IEC 60754-1&2 ;

IEC 61034-2

IEC 60754-1&2

IEC 61034-2

Construction

Conductor	Bare copper wire, Ø 0.56 mm (AWG23/1)
Insulation	Foam PE , Nom. Ø 1.32 mm
Sheath	LSZH
Sheath Colour	Blue
Pair Screen	High Performance Individual Pair Screen
Outer Diameter	Nom. 7.47 mm
Weight	Nom. 58.8 kg /km

Mechanical properties

Minimum bending radius Installation	8 x Diameter
Minimum bending radius Installed	8 x Diameter
Temperature range during operation	-10°C up to +60°C
Temperature range during installation	-10°C up to +60°C

Electrical properties at 20°C

DC Loop Resistance	≤ 139 Ω/km
DC Resistance Unbalance	≤ 0.1%
Insulation Resistance (2.5 kV d.c.)	≥ 460,000 MΩ *km
Mutual Capacitance at 800 Hz	Nom. 43.0 nF/km
Capacitance Unbalance (pair to ground)	≤ 773 pF/km
Mean Characteristic Impedance 100 MHz	(100 ± 10) Ω
Nominal Velocity of Propagation	Nom. 79 %
Propagation Delay	Nom. 450 ns/100m
Delay Skew	Nom. 5.2 ns/100m
Applied Voltage (d.c , 2 sec)	Nom. 2.5 kV
Transfer Impedance	At 1 MHz; ≤ 50mΩ / m
	At 10 MHz; ≤ 100mΩ / m
	At 30 MHz; ≤ 200mΩ / m
Attenuation @500 Mhz	41.0 dB
NEXT @ 500 Mhz	100.7 dB
PS-NEXT @ 500 Mhz	97.7 dB
ACR @ 500 Mhz	60.1 dB
ACRF @ 500 Mhz	62.4 dB
PS-ACRF @ 500 Mhz	59.9 dB

- All above stated values are nominal and subject to changes.
- For more details on electrical properties please request for datasheet.

Ordering Information

SAP IC	UC P/N	Product Description	P.U
TBA	86075	UC 500 Cat 6a U/FTP 23 AWG, Individual pair foil, LSZH	500m/reel
TBA	86048	UC 500 Cat 6a U/FTP 23 AWG, Individual pair foil, LSFRZH	500m/reel

UC500 23 Cat.6A F/FTP

Standard, Solid, LSZH



2.3. Cables

Construction

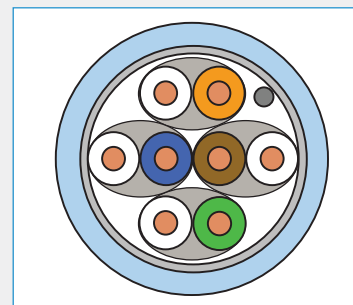
Conductor	Bare copper wire Ø 0.56 mm (AWG23/1)
Insulation	Foam PE , Nom. Ø 1.32 mm
Sheath	LSZH
Sheath Colour	Blue
Pair Screen	High Performance Individual Pair Screen
Overall Screen	Advanced aluminium laminated foil
Outer Diameter	Nom. 7.59 mm
Weight	Nom. 61.67 kg /km

Mechanical properties

Minimum bending radius without load	8 x Diameter
Minimum bending radius with load	8 x Diameter
Temperature range during operation	-10°C up to +60°C
Temperature range during installation	-10°C up to +60°C

Electrical properties at 20°C

DC Loop Resistance	≤ 139 Ω /km
DC Resistance Unbalance	≤ 0.1 %
Insulation Resistance (2.5 kV in 2 sec)	≥ 460,000 MΩ*km
Mutual Capacitance at 800 Hz	Nom. 43.6 nF/km
Capacitance Unbalance (pair to ground)	≤ 460 pF/km
Mean Characteristic Impedance 100 MHz	(100 ± 10) Ω
Nominal Velocity of Propagation	Nom. 79 %
Propagation Delay	Nom. 455 ns /100m
Delay Skew	Nom. 4.6 ns /100m
Applied Voltage (d.c., 2 sec) core/core and core/screen	Nom. 2.5 kV
Transfer Impedance	At 1 MHz; ≤ 20mΩ / m
	At 10 MHz; ≤ 50mΩ / m
	At 30 MHz; ≤ 100mΩ / m
Attenuation @500 Mhz	40.4 dB
NEXT @ 500 Mhz	83.1 dB
PS-NEXT @ 500 Mhz	81.2 dB
ACR @ 500 Mhz	43.1 dB
ACRF @ 500 Mhz	53.3 dB
PS-ACRF @ 500 Mhz	59.1 dB



Application

Primary (Campus)

Secondary (Riser)

Tertiary (Horizontal)

IEEE 802.3: 10Base-T; 100Base-T;

1000Base-T; 10GBase-T;

IEEE 802.5 16 MB; ISDN; TPDDI; ATM

IEEE 802.3af (PoE) ; IEEE 802.3at (PoE+)

Standards

ANSI TIA/EIA 568-C.2;

ISO/IEC 11801 2nd Ed.;IEC 61156-5 2nd Ed ;

EN 50173; EN 50288-3-1:2013

Fire Rating

PVC IEC 60332-1-2

LSZH IEC 60332-1-2 ; IEC 60754-1&2 ;

IEC 61034-2

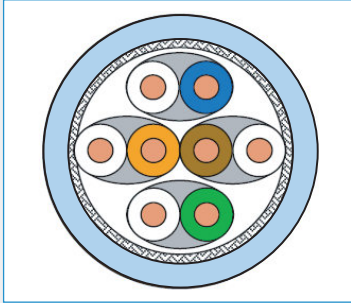
Ordering Information

SAP IC	UC P/N	Product Description	P.U
TBA	84075	UC 500 Cat 6a F/FTP 23 AWG, Individual pair foil, LSZH	500m/reel

2.3. Cables

UC500 23 Cat.6A S/FTP

Standard, Solid, LSZH



Application

Primary (Campus)

Secondary (Riser)

Tertiary (Horizontal)

IEEE 802.3: 10Base-T; 100Base-T;

1000Base-T; 10GBase-T;

IEEE 802.5 16 MB; ISDN; TPDDI; ATM

IEEE 802.3af (PoE) ; IEEE 802.3at (PoE+)

Standards

ANSI TIA/EIA 568-C.2;

ISO/IEC 11801 2nd Ed.;

IEC 61156-5 2nd Ed ;

EN 50173; EN 50288-3-1:2013

Fire Rating

PVC IEC 60332-1-2

LSZH IEC 60332-1-2 ;

IEC 60754-1&2 ;

IEC 61034-2

LSFRZH IEC 60332-1-2 ;

IEC 60332-3-24

IEC 60754-1&2

IEC 61034-2

Construction

Conductor	Bare copper wire Ø 0.56 mm (AWG23/1)
Insulation	Foam PE , Nom. Ø 1.34 mm
Sheath	LSZH
Sheath Colour	Blue
Pair Screen	High Performance Individual Pair Screen
Overall Screen	Copper Braid tinned ; drain wire AWG26 tinned
Outer Diameter	Nom. 8.05 mm
Weight	Nom. 68.84 kg /km

Mechanical properties

Minimum bending radius without load	8 x Diameter
Minimum bending radius with load	8 x Diameter
Temperature range during operation	-10°C up to +60°C
Temperature range during installation	-10°C up to +60°C

Electrical properties at 20°C

DC Loop Resistance	≤ 139 Ω/km
DC Resistance Unbalance	≤ 0.1 %
Insulation Resistance (500 V)	≥ 460,000 MΩ*km
Mutual Capacitance at 800 Hz	Nom. 45.6 nF/km
Capacitance Unbalance (pair to ground)	≤ 200 pF/km
Mean Characteristic Impedance 100 MHz	(100 ± 10) Ω
Nominal Velocity of Propagation	Nom. 79 %
Propagation Delay	Nom. 465.5 ns/100m
Delay Skew	Nom. 5.3 ns/100m
Test Voltage (d.c ; 2 sec) core/core and core/screen	Nom. 2.5 kV
Transfer Impedance	At 1 MHz ; ≤ 20mΩ /m
	At 10 MHz ; ≤ 50mΩ /m
	At 30 MHz ; ≤ 100mΩ /m
Attenuation @500 Mhz	42.3 dB
NEXT @ 500 Mhz	91.2 dB
PS-NEXT @ 500 Mhz	87.3 dB
ACR @ 500 Mhz	49.2 dB
ACRF @ 500 Mhz	57.1 dB
PS-ACRF @ 500 Mhz	59.6 dB

- All above stated values are nominal and subject to changes.
- For more details on electrical properties please request for datasheet.

Ordering Information

SAP IC	UC P/N	Product Description	P.U
TBA	85075	UC 500 Cat 6a S/FTP 23 AWG, Individual pair foil, 40% braid, LSZH	500m/reel
TBA	85048	UC 500 Cat 6a S/FTP 23 AWG, Individual pair foil, 40% braid, LSFRZH	500m/reel

UC900 HS23 Cat.7 S/FTP

Standard, Solid, LSZH



Construction

Conductor	Bare copper wire, Ø 0.56 mm (AWG 23)
Insulation	Foamskin PE, Ø 1.38 mm
Twisting	2 cores to the pair
Pair screen	Al-laminated plastic foil
Cable lay up	4 pairs (PIMF) to the core
Screen	Copper braid, tinned (ca. 40 % coverage)
Sheath	LSZH or LSFRZH, orange
Outer Diameter	Nom. 7.3mm
Weight	Nom. 54.5 kg /km

Mechanical properties

Bending radius	without load	≥ 30 mm
	with load	≥ 60 mm
Temperature range	during operation	-20°C to + 60°C
	during installation	0°C to + 50°C

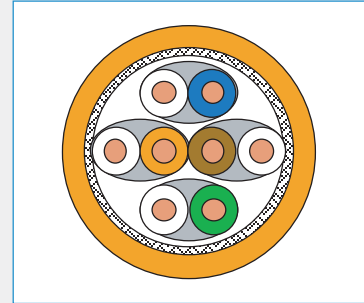
Electrical properties at 20°C ± 5°C

Loop resistance		≤ 165 Ω/km	
Resistance unbalance		≤ 2%	
Insulation resistance	(500 V)	≥ 2000 MΩ*km	
Mutual capacitance	at 800 Hz	Nom. 43 nF/km	
Capacitance unbalance	(pair/ground)	≤ 1500 pF/km	
Characteristic impedance	(1-100 MHz)	(100 ± 5) Ω	
	(100 - 250) MHz	(100 ± 10) Ω	
	(250 - 600) MHz	(100 ± 15) Ω	
Nominal velocity of propagation		ca. 79 %	
Propagation delay		≤ 427 ns/100m	
Delay skew		≤ 12 ns/100m	
Test voltage	(DC, 1 min) core/core and core/screen	1000 V	
Transfer impedance	At 1 MHz	≤ 12 mΩ /m	Grade 2
	At 10 MHz	≤ 10 mΩ /m	Grade 2
	At 30 MHz	≤ 30 mΩ /m	Grade 2
Coupling attenuation		≥ 80 dB	Type 2
Segregation classification acc. EN 50174-2			„D“
Attenuation @1000 Mhz	63.1 dB		
NEXT @ 1000 Mhz	80.0 dB		
PS-NEXT @ 1000 Mhz	17.0 dB		
ACR @ 1000 Mhz	77.0 dB		
PS-ACR @ 1000 Mhz	14.0 dB		
PS-ACR-F @ 1000 Mhz	54.0 dB		

Ordering Information

SAP IC	UC P/N	Product Description	P.U
1001036	73075	UC 900 HS23 Cat.7 S/FTP, Individual pair foil, 40% braid, LSZH	500m/reel

2.4. Cables



Application

Primary (Campus)
 Secondary (Riser)
 Tertiary (Horizontal)
 IEEE 802.3: 10Base-T; 100Base-T;
 1000Base-T; 10GBase-T;
 IEEE 802.5 16 MB; ISDN; TPDDI; ATM
 Power over Ethernet PoE/PoE+
 IEEE 802.3af and IEEE 802.3at

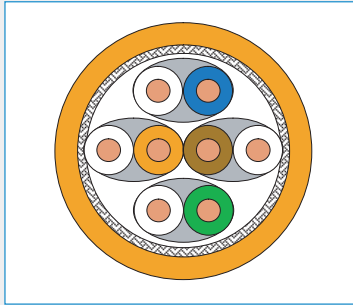
Standards

ANSI TIA/EIA 568-C.2;
 ISO/IEC 11801 2nd Ed.;
 IEC 61156-5 2nd Ed ;
 EN 50173; EN 50288-3-1:2013

Fire Rating

PVC IEC 60332-1-2
 LSZH IEC 60332-1-2 ; IEC 60754-1&2 ;
 IEC 61034-2

2.4. Cables



Application

Primary (Campus)
 Secondary (Riser)
 Tertiary (Horizontal)
 IEEE 802.3: 10Base-T; 100Base-T;
 1000Base-T; 10GBase-T;
 IEEE 802.5 16 MB; ISDN; TPDDI; ATM
 Power over Ethernet PoE/PoE+
 IEEE 802.3af and IEEE 802.3at

Standards

ANSI TIA/EIA 568-C.2;
 ISO/IEC 11801 2nd Ed.;
 IEC 61156-5 2nd Ed ;
 EN 50173; EN 50288-3-1:2013

Fire Rating

PVC IEC 60332-1-2
 LSZH IEC 60332-1-2 ;
 IEC 60754-1&2 ;
 IEC 61034-2
 LSFRZH IEC 60332-1-2 ;
 IEC 60332-3-24
 IEC 60754-1&2
 IEC 61034-2

UC900 SS23 Cat.7 S/FTP

Standard, Solid, LSZH



Construction

Conductor	Bare copper wire, Ø 0.56 mm (AWG23/1)
Insulation	Foamskin PE, Ø 1.38 mm
Twisting	2 cores to the pair
Pair screen	Al-laminated plastic foil
Cable lay up	4 pairs (PiMF) to the core
Screen	Copper braid, tinned
Sheath	LSZH or LSFRZH, orange
Outer Diameter	Nom. 7.5mm
Weight	Nom. 75 kg /km

Mechanical properties

Bending radius	without load	≥ 30 mm
	with load	≥ 60 mm
Temperature range	during operation	-20°C to + 60°C
	during installation	0°C to + 50°C

Electrical properties at 20°C ± 5°C

Loop resistance		≤ 165 Ω/km	
Resistance unbalance		≤ 2%	
Insulation resistance	(500 V)	≥ 2000 MΩ*km	
Mutual capacitance	at 800 Hz	Nom. 43 nF/km	
Capacitance unbalance	(pair/ground)	≤ 1500 pF/km	
Mean characteristic impedance	(1-100 MHz)	(100 ± 5) Ω	
Nominal velocity of propagation		ca. 79 %	
Propagation delay		≤ 427 ns/100m	
Delay skew		≤ 12 ns/100m	
Test voltage	(DC, 1 min) core/core and core/screen	1000 V	
Transfer impedance	At 1 MHz	≤ 5 mΩ / m	Grade 1
	At 10 MHz	≤ 5 mΩ / m	Grade 1
	At 30 MHz	≤ 10 mΩ / m	Grade 1
Coupling attenuation		≥ 85 dB	Type 1
Segregation classification acc. EN 50174-2			„D“
Attenuation @1000 Mhz	63.1 dB		
NEXT @ 1000 Mhz	80.0 dB		
PS-NEXT @ 1000 Mhz	17.0 dB		
ACR @ 1000 Mhz	77.0 dB		
PS-ACR @ 1000 Mhz	14.0 dB		
PS-ACR-F @ 1000 Mhz	54.0 dB		

Ordering Information

SAP IC	UC P/N	Product Description	P.U
60011543	72075	UC 900 SS23 Cat.7 S/FTP, Individual pair foil, copper braid, LSZH	500m/reel
60015274	72048	UC 900 SS23 Cat.7 S/FTP, Individual pair foil, copper braid, LSFRZH	500m/reel

UC1200 HS23 Cat.7_A S/FTP

Standard, Solid, LSZH



2.5. Cables

Construction

Conductor	Bare copper wire Ø 0.58 mm (AWG 23/1)
Insulation	Foamskin Polyethylene, Ø 1.4 mm
Twisting	2 cores to the pair
Pair screen	Al-laminated plastic foil
Cable lay up	4 pairs to the core
Screen	Copper braid, tinned
Sheath	Halogen free, flame retardant sheathing material; LSZH, melon yellow RAL 1028
Outer Diameter	Norm. 7.8mm
Weight	Norm. 59 kg /km

Mechanical properties

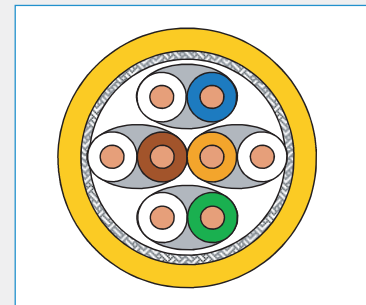
Bending radius	without load	≥ 35 mm
	with load	≥ 70 mm
Temperature range	during operation	-20°C to + 60°C
	during installation	0°C to + 50°C

Electrical properties at 20°C ± 5°C

Loop resistance		≤ 135 Ω/km	
Resistance unbalance		≤ 2%	
Insulation resistance	(500 V)	≥ 5000 MΩ*km	
Mutual capacitance	at 800 Hz	Norm. 43 nF/km	
Capacitance unbalance	(pair/ground)	≤ 1500 pF/km	
Mean characteristic impedance	@ 100 MHz	(100 ± 5) Ω	
Nominal velocity of propagation		ca. 76 %	
Propagation delay		439 ns/100m	
Delay skew		12 ns/100m	
Test voltage	(DC, 1 min) core/core and core/screen	1000 V	
Transfer impedance	At 1 MHz	≤ 12 mΩ /m	Grade 2
	At 10 MHz	≤ 10 mΩ /m	Grade 2
	At 30 MHz	≤ 30 mΩ /m	Grade 2
Coupling attenuation		≥ 80 dB	Type 2
Segregation classification acc. EN 50174-2			„D“
Attenuation @1200 Mhz	65.2 dB		
NEXT @ 1200 Mhz	82.0 dB		
PS-NEXT @ 1200 Mhz	79.0 dB		
ACR @ 1200 Mhz	17.0 dB		
PS-ACR @ 1200 Mhz	17.0 dB		
ACR-F @ 1200 Mhz	43.0 dB		
PS-ACR-F @ 1200 Mhz	41.0 dB		
Return Loss @ 1200 Mhz	15.0 dB		

Ordering Information

SAP IC	UC P/N	Product Description	P.U
60011415	95075	UC 1200 HS23 Cat.7A S/FTP, Individual pair foil, copper braid, LSZH	500m/reel
TBC	95048	UC 1200 HS23 Cat.7A S/FTP, Individual pair foil, copper braid, LSFZRZH	500m/reel



Application

Primary (Campus)
Secondary (Riser)
Tertiary (Horizontal)
IEEE 802.3: 10Base-T; 100Base-T;
1000Base-T; 10GBase-T;
IEEE 802.5 16 MB; ISDN; TPDDI; ATM
Power over Ethernet PoE/PoE+
IEEE 802.3af and IEEE 802.3at

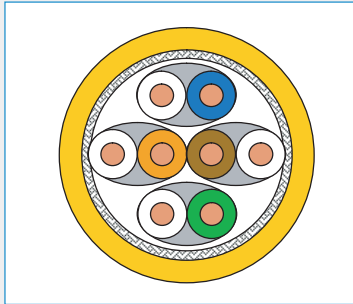
Standards

ANSI TIA/EIA 568-C.2;
ISO/IEC 11801 2nd Ed.;
IEC 61156-5 2nd Ed ;
EN 50173; EN 50288-3-1:2013

Fire Rating

PVC IEC 60332-1-2
LSZH IEC 60332-1-2 ; IEC 60754-1&2 ;
IEC 61034-2
LSFRZH IEC 60332-1-2 ; IEC 60332-3-24
IEC 60754-1&2 IEC 61034-2

2.5. Cables



Application

Primary (Campus)
Secondary (Riser)
Tertiary (Horizontal)
IEEE 802.3: 10Base-T; 100Base-T;
1000Base-T; 10GBase-T;
IEEE 802.5 16 MB; ISDN; TPDDI; ATM
Power over Ethernet PoE/PoE+
IEEE 802.3af and IEEE 802.3at

Standards

ANSI TIA/EIA 568-C.2;
ISO/IEC 11801 2nd Ed.;
IEC 61156-5 2nd Ed ;
EN 50173; EN 50288-3-1:2013

Fire Rating

PVC IEC 60332-1-2
LSZH IEC 60332-1-2 ;
IEC 60754-1&2 ;
IEC 61034-2

UC1200 SS23 Cat.7A S/FTP

Standard, Solid, LSZH



Construction

Conductor	Bare copper wire Ø 0.58 mm (AWG23/1)
Insulation	Foam-Skin PE, Ø 1.4 mm
Twisting	2 cores to the pair
Pair screen	Al-laminated plastic foil around each pair
Cable lay up	4 pairs
Screen	Copper braid, tinned
Sheath	Halogen free, flame and fire retardant sheathing material: LSFRZH (LSFROH), yellow, (RAL 1028)
Outer Diameter	Nom. 7.8mm
Weight	Nom. 68 kg /km

Mechanical properties

Bending radius	without load	4 x D
	with load	8 x D
Temperature range	during operation	-20°C to + 60°C
	during installation	0°C to + 50°C

Electrical properties at 20°C ± 5°C

Loop resistance		≤ 135 Ω/km	
Resistance unbalance		≤ 2%	
Insulation resistance	(500 V)	≥ 5000 MΩ*km	
Mutual capacitance	at 800 Hz	Nom. 43 nF/km	
Capacitance unbalance	(pair/ground)	≤ 1500 pF/km	
Mean characteristic impedance	@ 100 MHz	(100 ± 5) Ω	
Nominal velocity of propagation		ca. 76 %	
Propagation delay		439 ns/100m	
Delay skew		12 ns/100m	
Test voltage	(DC, 1 min) core/core and core/screen	1000 V	
Transfer impedance	At 1 MHz	≤ 5 mΩ /m	Grade 1
	At 10 MHz	≤ 5 mΩ /m	Grade 1
	At 30 MHz	≤ 10 mΩ /m	Grade 1
Coupling attenuation		≥ 85 dB	Type 1
Segregation classification acc. EN 50174-2			„D“
Attenuation @1200 Mhz	65.2 dB		
NEXT @ 1200 Mhz	82.0 dB		
PS-NEXT @ 1200 Mhz	79.0 dB		
ACR @ 1200 Mhz	17.0 dB		
PS-ACR @ 1200 Mhz	14.0 dB		
PS-ACR-F @ 1200 Mhz	40.0 dB		

Ordering Information

SAP IC	UC P/N	Product Description	P.U
60015755	92048	UC 1200 SS23 Cat.7A S/FTP, Individual pair foil, copper braid, LSFRZH	500m/reel

UC1500 HS22 Cat.7_A S/FTP

Standard, Solid, LSZH



2.5. Cables

Construction

Conductor	Bare copper wire Ø 0.62 mm (AWG22/1)
Insulation	Foam-Skin Polyethylene, Ø 1.5 mm
Twisting	2 cores to the pair
Pair screen	Al-laminated plastic foil around each pair
Cable lay up	4 pairs
Screen	Copper braid, tinned
Sheath	Halogen free, flame or fire retardant sheathing material; LSZH melon yellow RAL 1028 Duplex design with divider
Outer Diameter	Nom. 8.3mm
Weight	Nom. 62 kg /km

Mechanical properties

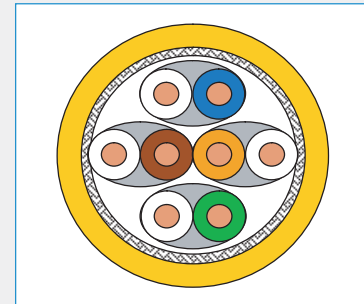
Bending radius	without load	≥ 30 mm
	with load	≥ 70 mm
Temperature range	during operation	-20°C to + 60°C
	during installation	0°C to + 50°C

Electrical properties at 20°C ± 5°C

Loop resistance		≤ 128 Ω/km	
Resistance unbalance		≤ 2%	
Insulation resistance	(500 V)	≥ 5000 MΩ*km	
Mutual capacitance	at 800 Hz	Nom. 43 nF/km	
Capacitance unbalance	(pair/ground)	≤ 1500 pF/km	
Characteristic impedance	@ 100 MHz	100 ± 5 Ω	
Nominal velocity of propagation		79 %	
Propagation delay		≤ 450 ns/100m	
Delay skew		≤ 15 ns/100m	
Transfer impedance	At 1 MHz	≤ 12 mΩ /m	Grade 2
	At 10 MHz	≤ 10 mΩ /m	Grade 2
	At 30 MHz	≤ 30 mΩ /m	Grade 2
Coupling attenuation		≥ 80 dB	Type 2
Segregation classification acc. EN 50174-2			„D“
Attenuation @1500 Mhz	64.1 dB		
NEXT @ 1500 Mhz	80.0 dB		
PS-NEXT @ 1500 Mhz	77.0 dB		
ACR @ 1500 Mhz	16.0 dB		
PS-ACR @ 1500 Mhz	13.0 dB		
PS-ACR-F @ 1500 Mhz	25.0 dB		

Ordering Information

SAP IC	UC P/N	Product Description	P.U
60022022	97075	UC 1500 HS22 Cat.7A S/FTP, Individual pair foil, copper braid, LSZH	500m/reel
60013297	97048	UC 1500 HS22 Cat.7A S/FTP, Individual pair foil, copper braid, LSFRZH	500m/reel



Application

Primary (Campus)
Secondary (Riser)
Tertiary (Horizontal)
IEEE 802.3: 10Base-T; 100Base-T;
1000Base-T; 10GBase-T;
IEEE 802.5 16 MB; ISDN; TPDDI; ATM
Power over Ethernet PoE/PoE+
IEEE 802.3af and IEEE 802.3at

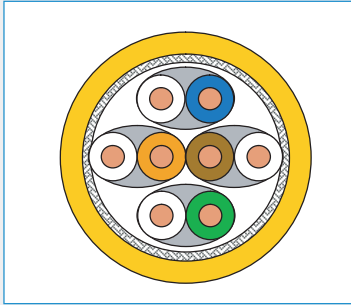
Standards

ANSI TIA/EIA 568-C.2;
ISO/IEC 11801 2nd Ed.;
IEC 61156-5 2nd Ed ;
EN 50173; EN 50288-3-1:2013

Fire Rating

LSZH IEC 60322-1-2 ; IEC 60754-1&2 ;
IEC 61034-2
LSFRZH IEC 60332-1-2 ; IEC 60332-3-24
IEC 60754-1&2 IEC 61034-2

2.5. Cables



Application

Primary (Campus)
 Secondary (Riser)
 Tertiary (Horizontal)
 IEEE 802.3: 10Base-T; 100Base-T;
 1000Base-T; 10GBase-T;
 IEEE 802.5 16 MB; ISDN; TPDDI; ATM
 Power over Ethernet PoE/PoE+
 IEEE 802.3af and IEEE 802.3at

Standards

ANSI TIA/EIA 568-C.2;
 ISO/IEC 11801 2nd Ed.;
 IEC 61156-5 2nd Ed ;
 EN 50173; EN 50288-3-1:2013

Fire Rating

LSZH IEC 60332-1-2 ;
 IEC 60754-1&2 ;
 IEC 61034-2
 LSFRZH IEC 60332-1-2 ;
 IEC 60332-3-24
 IEC 60754-1&2
 IEC 61034-2

UC1500 SS22 Cat.7A S/FTP

Standard, Solid, LSZH



Construction

Conductor	Bare copper wire Ø 0.64 mm (AWG22/1)
Insulation	PE, Ø 1.6 mm
Twisting	2 cores to the pair
Pair screen	4 pairs
Cable lay up	Al-laminated plastic foil around each pair
Screen	Copper braid, tinned Ø 7.0mm
Sheath	Halogen free, fire retardant sheathing material; LSFRZH, melon yellow RAL 1028
Outer Diameter	Nom. 8.5mm
Weight	Nom. 73 kg /km

Mechanical properties

Bending radius	without load	4 x D
	with load	8 x D
Temperature range	during operation	-20°C to + 60°C
	during installation	0°C to + 50°C

Electrical properties at 20°C ± 5°C

Loop resistance		≤ 110 Ω/km	
Resistance unbalance		≤ 2%	
Insulation resistance	(500 V)	≥ 5000 MΩ*km	
Mutual capacitance	at 800 Hz	Nom. 43 nF/km	
Capacitance unbalance	(pair/ground)	≤ 1200 pF/km	
Mean characteristic impedance	@ 100 MHz	100 ± 5 Ω	
Nominal velocity of propagation		79 %	
Propagation delay		450 ns/100m	
Delay skew		15 ns/100m	
Transfer impedance	At 1 MHz	≤ 5 mΩ /m	Grade 1
	At 10 MHz	≤ 5 mΩ /m	Grade 1
	At 30 MHz	≤ 10 mΩ /m	Grade 1
Coupling attenuation		≥ 85 dB	Type 1
Segregation classification acc. EN 50174-2			„D“
Attenuation @1500 Mhz	64.1 dB		
NEXT @ 1500 Mhz	80.0 dB		
PS-NEXT @ 1500 Mhz	77.0 dB		
ACR @ 1500 Mhz	16.0 dB		
PS-ACR @ 1500 Mhz	13.0 dB		
PS-ACR-F @ 1500 Mhz	25.0 dB		

Ordering Information

SAP IC	UC P/N	Product Description	P.U
60015807	94048	UC 1500 SS22 Cat.7A S/FTP, Individual pair foil, copper braid, LSFRZH	500m/reel

UC^{FUTURE} COMPACT22 Cat8.2 S/FTP 2000MHz

Standard, Solid, LSRFZH



Construction

Conductor	Bare copper wire Ø 0.64 mm (AWG22)
Insulation	Foam-Skin Polyethylen, Ø 1.6 mm
Twisting	2 cores to the pair
Cable lay up	4 pairs
Pair screen	Al-laminated plastic foil around each pair
Overall screen	Copper braid, tinned
Sheath	Halogen free, fire retardant sheathing material; LSRFZH acc. EN50289-2-27, yellow RAL 1021
Outer diameter	Nom. 8.5 mm
Weight	Nom. 80 kg/km
Tensile force	340

Mechanical properties

Bending radius	Installation	4 x D
	Installed	8 x D
Temperature range	During operation	-20°C to + 60°C
	During installation	0°C to + 50°C

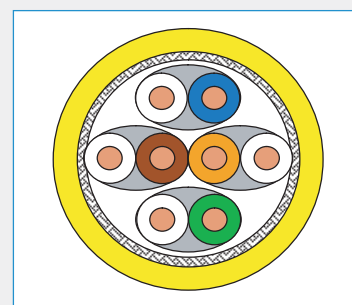
Electrical properties

DC loop resistance		≤ 130 Ω/km	
Resistance unbalance		≤ 1%	
Insulation resistance	(500 V)	≥ 5000 MΩ*km	
Capacitance	at 800 Hz	Nom. 43 nF/km	
Capacitance unbalance	(pair/ground)	≤ 1200 pF/km	
Mean Characteristic impedance	@ 100 MHz	100 ± 5 Ω	
Nominal velocity of propagation		Nom. 73%	
Delay skew		20 ns/100 m	
Transfer impedance	At 1 MHz	5 mΩ /m	Grade 1
	At 10 MHz	5 mΩ /m	Grade 1
	At 30 MHz	10 mΩ /m	Grade 1
	At 100 MHz	20 mΩ /m	Grade 1
Coupling attenuation		85 dB	Type 2
Segregation classification acc. EN 50174-2			„D“
Attenuation @2000 Mhz	88.4 dB		
NEXT @ 2000 Mhz	70.0 dB		
PS-NEXT @ 2000 Mhz	69.0 dB		
ACR @ 2000 Mhz	-18.4 dB		
PS-ACR-F @ 2000 Mhz	47.0 dB		

Ordering Information

SAP IC	UC P/N	Product Description	P.U
60030331	98048	UC ^{FUTURE} COMPACT22 Cat.8.2 S/FTP 4P 2000MHz LSRFZH	500m/reel

2.6. Cables



Application

Primary (Campus)
Secondary (Riser)
Tertiary (Horizontal)
IEEE 802.3: 10Base-T; 100Base-T;
1000Base-T; 10GBase-T;
IEEE 802.5 16 MB; ISDN; TPDDI; ATM
Power over Ethernet PoE/PoE+
IEEE 802.3af and IEEE 802.3at

Standards

ANSI TIA/EIA 568-C.2;
ISO/IEC 11801 2nd Ed.;
IEC 61156-5 2nd Ed ;
EN 50173; EN 50288-3-1:2013

Fire Rating

LSFRZH IEC 60332-1-2 ; IEC 60332-3-24
IEC 60754-1&2 IEC 61034-2