CORNING

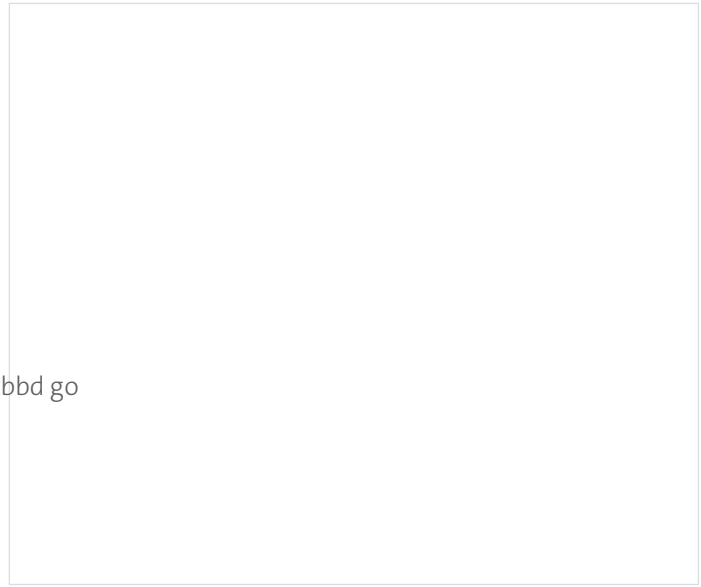
Everon® Copper Datacom

Cat.6_A Shielded, V500S, VOL Footprint

RJ45 Cat.6_A Jacks STP (V500S)
Copper Patch Cords
Copper Patch Panels
Faceplates & Wall Outlets
Copper Cable

RJ45 Cat.6_A STP Jacks V500S

Our Cat.6_A copper interconnect products work together to provide an easy-to-use solution for deploying high-speed connections throughout a building. The RJ45 jack is a key component in this system. These RJ45 jacks have been certified by an independent test laboratory to hardware certification. Each jack component is able to terminate to any certified Cat.6_A cable and patch cord combination to achieve full channel performance. The jack's unique three-cable entry points help make installation simple. The traditional one-click design enables an easy, toolless termination on shielded cables, meeting industry performance standards.Ebacbbd go



Specifications	
Standards compliance Hardware performance	 ANSI/TIA/568.2-D:2018 ISO/IEC 11801 (Ed. 1.0) 2017 EN 50173-1:2018
Electrical performance PoE Compliance Operating voltage Lead through resistance Insulation resistance	 IEC 60512-99-002:2019 < 75 VDC < 200 mΩ > 500 MΩ
Environmental compliance Operating temperature	 -10°C to 60°C (14°F to 140°F)
Mechanical speci□cations Conductor diameter Maximum diameter of wire insulation Protection contacts	 Solid wires: 0.50 to 0.65 mm (AWG 22-24) Stranded wires: 7 x 0.15 to 0.20 mm 1.6 mm 1.27 µm in contact zone

V500S Copper Jack Ordering Information

Part Number	Description	Footprint	Jack Colour	Quantity in Pack	AWG Solid	AWG Flex	Channel Performance	PoE / PoE + / 4PPoE	Transmission Speed	Legacy Part Number
XF500003553	V500S 3-Way Jack	VOL	Silver	8	22-24	24-26	Class EA Channel (4 connectors)	PoE / PoE+ / 4PPoE	10GbE	VOL-OCK6A-SN8
XF500003546	V500S 3-Way Jack	VOL	Silver	480	22-24	24-26	Class EA Channel (4 connectors)	PoE / PoE+ / 4PPoE	10GbE	VOL-OCK6A-SNV

Cat.6$_A$ Patch Cords, SFTP

Length	Jacket	Wire Diameter	Turquoise	Grey	Blue
Cat.6$_A$ Shielded LSZH™ Copper Patch Cords					
0.5 m	LSZH	26 AWG	CCAAGB-GB002-A005-C0	CCAAGB-G1002-A005-C0	CCAAGB-G2002-A005-C0
1 m	LSZH	26 AWG	CCAAGB-GB002-A010-C0	CCAAGB-G1002-A010-C0	CCAAGB-G2002-A010-C0
2 m	LSZH	26 AWG	CCAAGB-GB002-A020-C0	CCAAGB-G1002-A020-C0	CCAAGB-G2002-A020-C0
3 m	LSZH	26 AWG	CCAAGB-GB002-A030-C0	CCAAGB-G1002-A030-C0	CCAAGB-G2002-A030-C0
5 m	LSZH	26 AWG	CCAAGB-GB002-A050-C0	CCAAGB-G1002-A050-C0	CCAAGB-G2002-A050-C0
10 m	LSZH	26 AWG	CCAAGB-GB002-A100-C0	CCAAGB-G1002-A100-C0	CCAAGB-G2002-A100-C0
0.5 m	LSZH	30 AWG	MCAAWB-GB002-A005-V0	MCAAWB-G1002-A005-V0	MCAAWB-G2002-A005-V0
1 m	LSZH	30 AWG	MCAAWB-GB002-A010-V0	MCAAWB-G1002-A010-V0	MCAAWB-G2002-A010-V0
2 m	LSZH	30 AWG	MCAAWB-GB002-A020-V0	MCAAWB-G1002-A020-V0	MCAAWB-G2002-A020-V0
3 m	LSZH	30 AWG	MCAAWB-GB002-A030-V0	MCAAWB-G1002-A030-V0	MCAAWB-G2002-A030-V0
5 m	LSZH	30 AWG	MCAAWB-GB002-A050-V0	MCAAWB-G1002-A050-V0	MCAAWB-G2002-A050-V0
10 m	LSZH	30 AWG	MCAAWB-GB002-A100-V0	MCAAWB-G1002-A100-V0	MCAAWB-G2002-A100-V0
Cat.6$_A$ Shielded LSZH Copper Patch Cords, Cca -s1a, d1, a1					
0.5 m	LSZH	26 AWG		CCAAGB-G1002-A005-CC	
1 m	LSZH	26 AWG		CCAAGB-G1002-A010-CC	
2 m	LSZH	26 AWG		CCAAGB-G1002-A020-CC	
3 m	LSZH	26 AWG		CCAAGB-G1002-A030-CC	
5 m	LSZH	26 AWG		CCAAGB-G1002-A050-CC	
10 m	LSZH	26 AWG		CCAAGB-G1002-A100-CC	

Patch Panels

Copper patch panels are modular and provide an aesthetically pleasing solution for housing modular jacks. These lightweight aluminium panels are compatible with RJ45 jacks as well as typical industry-accepted modular jacks.

The classic version includes a cable-strain-relief tray and earth-connection point. The ECO panels are a simple version, without an earth-connection point, to use with racks with integral cable management. The panels include screws, cage nuts, and cable ties. Port blanking and coloured identification caps are available. The range includes a patch cord management panel with five management rings.

Copper Patch Panels Ordering Information

Part Number	Description	Colour	Legacy Part Number
1U 19-inch Patch Panels			
FQ100080602	16-Port Patch Panel (no cage nuts required)	Black	VOL-SPK-16
UU001622875	16-Port Patch Panel	Black	VOL-PPCB-F16-K
UU001622917	16-Port Patch Panel	Silver	VOL-PPCA-F16-K
UU001622941	16-Port Patch Panel with Locking System	Black	VOL-PPCB-V16-K
UU001622859	16-Port Patch Panel, eco version, UTP only	Black	VOL-PPUD-F16-K
FQ100080610	24-Port Patch Panel (no cage nuts required)	Black	VOL-SPK-24
MAXCSV-02408-C001	24-Port Patch Panel	Black	VOL-PPCB-F24-K
MAXCSV-02400-C001	24-Port Patch Panel	Silver	VOL-PPCA-F24-K
UU001622958	24-Port Patch Panel with Locking System	Black	VOL-PPCB-V24-K
UU001622867	24-Port Patch Panel, eco version, UTP only	Black	VOL-PPUD-F24-K
UU001622966	32-Port Patch Panel, high density	Black	VOL-PPCB-HD-F32-K
1U 19-inch Angled Patch Panel			
DE620045786	24-port angled patch panel	Black	VOL -PPCB-A24-K
2U 19-inch Patch Panels			
UU001622891	32-Port Patch Panel	Black	VOL-PPCB-F32-K
UU001622925	32-Port Patch Panel	Silver	VOL-PPCA-F32-K
UU001622909	48-Port Patch Panel	Black	VOL-PPCB-F48-K
UU001622933	48-Port Patch Panel	Silver	VOL-PPCA-F48-K
Copper Cable Management			
FQ100080636	1U Copper Patch Cable Management Panel (no cage nuts required), 4 rings	Black	VOLSPM75
WAXWSW-00008-C007	1U Copper Patch Cable Management Panel, 5 rings	Black	
WAXWSW-00000-C007	1U Copper Patch Cable Management Panel, 5 rings	Silver	
WAXWSW-00008-C009	1U Patch Cable Guides (left and right)	Black	
WAXWSW-00000-C009	1U Patch Cable Guides (left and right)	Silver	
WAXWSW-00008-C004	1U Blanking Panel	Black	
WAXWSW-00000-C004	1U Blanking Panel	Silver	
WAXWSW-00008-C005	2U Blanking Panel	Black	
WAXWSW-00000-C005	2U Blanking Panel	Silver	
LANS-LBL-WNDW	Self-Adhesive Labelling Windows, including paper strips (pack of 10)		
Patch Panel Accessories		Quantity in Pack	
80611020399	White Blank Port Insert	1	VOL-0300
80611020738	Black Blank Port Insert	1	VOL-0300BK
FQ100020616	Blue Port Cap/Identifier	8	VOL-PCC-B
FQ100020632	Red Port Cap/Identifier	8	VOL-PCCR
FQ100020624	Yellow Port Cap/Identifier	8	VOL-PCC-Y
FQ100020640	Green Port Cap/Identifier	8	VOL-PCC-G
XS003873642	Blue Port Cap/Identifier and Label Holder	8	VOL-PEC-B
XS003873691	Red Port Cap/Identifier and Label Holder	8	VOL-PEC-R
XS003873709	Yellow Port Cap/Identifier and Label Holder	8	VOL-PEC-Y
XS003873717	Green Port Cap/Identifier and Label Holder	8	VOL-PEC-G
LANS-LBL-WNDW	Self-Adhesive Labelling Windows, including paper strips	10	

Faceplates and Outlets

Faceplates are compatible with most electrical wall boxes and are available in two-port and four-port versions. These faceplates fit common European dimensions and are compatible with RJ45 modular jacks. Port icons for port identification and label windows are included in some products.

Faceplate Ordering Information

Copper Faceplates			
Part Number	Description	Colour	Legacy Part Number
XF003849205	86 x 86 mm Single-Gang Faceplate for 1 jack, UK Style	White	VOLFPUK-1K
XF003849213	86 x 86 mm Single-Gang Faceplate for 2 jacks, UK Style	White	VOLFPUK-2K
FQ100081360	45 x 45 mm Modular Faceplate for 1 jack	White	FP4MF1KW
FQ100081378	45 x 45 mm Modular Faceplate for 2 jacks	White	FP4MF2KW
DE620045539	50 x 50 mm Modular Faceplate for 1 jack, German Style	White	60-516-10425
DE620045547	50 x 50 mm Modular Faceplate for 2 jacks, German Style	White	60-516-10525
FQ100031001	45 x 45 mm Angled Modular Faceplate for 1 jack	White	FP4MF1KI
FQ100031019	45 x 45 mm Angled Modular Faceplate for 2 jacks	White	FP4MF2KI
FQ100078648	22.5 x 45 mm Modular Faceplate for 2 jacks	White	FP2MF1K
FQ100079778	45 x 45 mm Modular ECO Faceplate for 2 jacks	White	FP4MF2K
FQ100084521	45 x 45 mm Modular ECO Faceplate for 1 jack	White	FP4MF1KA
UU003115423	25 x 38 mm LJ6C Angled Adapter for 1 jack	White	VOL-LJ6C-A-1K
UU003115449	25 x 50 mm EuroMod Angled Adapter for 1 jack	White	VOL-EF-A-1K

RJ45 Faceplates Adapters			
Part Number	Description	Colour	Legacy Part Number
UU001496999	1 RJ45 Adapter for Legrand Niloé Faceplate	White	FPNI1KW
UU001496981	1 RJ45 Adapter for Legrand Céliane Faceplate	White	FPCE1KW
UU001496973	1 RJ45 Adapter for Legrand Céliane Faceplate	Titanium	FPCE1KTI
UU001498326	1 RJ45 Adapter for Schneider Electric Ovalis Faceplate	White	FPOV1KW
UU001497005	1 RJ45 Adapter for Schneider Electric Ovalis Faceplate	Aluminium	FPOD1KALU
UU001498334	1 RJ45 Adapter for Schneider Electric Unica Faceplate	Aluminium	FPUN1KALU

Copper Cable

The four-pair copper cable is high performing, compliant with ISO/IEC 11801 (Ed. 1.0) 2017 and EN 50173-1:2018, ANSI/TIA/568.2-D:2018. The Cat.6_A shielded cable is available as S/FTP, F/FTP, F/UTP and U/FTP. Cables are easy to install with sheath length marking providing convenient, clearly identifiable cable and link lengths.

Shielded Cables for V500S Jack - Ordering Information

Part Number	Description	Jacket	Wire Diameter	Colour	Length	CPR	Legacy Part Number
Cat.6_A Shielded Copper Cables							
MCXEDA-DD047-V004-L7	U/FTP 550/23 4P Simplex	LSZH™	AWG 23	Green	1,000 m drum	Dca-s1, d1, a1	VOL6AFL41000
MCXEDA-DD087-V004-L6	U/FTP 550/23 2 x 4P Duplex	LSZH	AWG 23	Green	500 m drum	Dca-s2,d2,a1	VOL6AUFL8500
UU009175728	F/UTP 550/24 4P Simplex	LSZH	AWG 24	Green	500 m drum	B2ca-s1a,d0,a1	VOL6AFL4500
UU009175736	F/UTP 550/24 4P Simplex	LSZH	AWG 24	Green	500 m drum	Cca-s1a,d0,a1	VOL6AFL4C500S
CCXADE-DD047-V004-L6	F/UTP 550/24 4P Simplex	LSZH	AWG 23	Green	500 m drum	Dca-s2,d2,a1	
CCXADE-DD047-V004-L7	F/UTP 550/24 4P Simplex	LSZH	AWG 24	Green	1,000 m drum	Dca-s2,d2,a1	
CCXEDA-DC047-C001-M4	F/FTP 550/23 4P Simplex	LSZH/FRNC	AWG 23	Blue	305 m drum	Cca-s1, d1, a1	
CCXEDA-DC047-C001-L6	F/FTP 550/23 4P Simplex	LSZH/FRNC	AWG 23	Blue	500 m drum	Cca-s1, d1, a1	
CCXEDA-DC047-C001-L7	F/FTP 550/23 4P Simplex	LSZH/FRNC	AWG 23	Blue	1,000 m drum	Cca-s1, d1, a1	
CCXEDA-DC087-C001-L6	F/FTP 550/23 2 x 4P Duplex	LSZH/FRNC	AWG 23	Blue	500 m drum	Cca-s1, d1, a1	
CCXEDA-D0047-C001-X2	F/FTP 550/23 4P Simplex	LSZH/FRNC	AWG 23	Blue	250 m reelex box	Dca-s1, d1, a1	
CCXEDA-D0047-C001-M4	F/FTP 550/23 4P Simplex	LSZH/FRNC	AWG 23	Blue	305 m drum	Dca-s1, d1, a1	
CCXEDA-D0047-C001-L6	F/FTP 550/23 4P Simplex	LSZH/FRNC	AWG 23	Blue	500 m drum	Dca-s1, d1, a1	
CCXEDA-D0047-C001-L7	F/FTP 550/23 4P Simplex	LSZH/FRNC	AWG 23	Blue	1,000 m drum	Dca-s1, d1, a1	
CCXEDA-D0087-C001-L6	F/FTP 550/23 2 x 4P Duplex	LSZH/FRNC	AWG 23	Blue	500 m drum	Dca-s2,d2,a1	
CCXEDR-D0047-C003-X2	S/FTP 550/23s 4P Simplex	LSZH/FRNC	AWG 23	Blue	250 m reelex box	Dca-s1, d1, a1	
CCXEDR-D0047-C003-L6	S/FTP 550/23s 4P Simplex	LSZH/FRNC	AWG 23	Blue	500 m drum	Dca-s1, d1, a1	
CCXEDR-D0047-C003-L7	S/FTP 550/23s 4P Simplex	LSZH/FRNC	AWG 23	Blue	1,000 m drum	Dca-s1, d1, a1	
CCXEDR-D0087-C003-L6	S/FTP 550/23s 2 x 4P Duplex	LSZH/FRNC	AWG 23	Blue	500 m drum	Dca-s1, d1, a1	
CCXEDB-DB047-C001-L7	S/FTP 550/23 4P Simplex (Enhanced Braiding)	LSZH/FRNC	AWG 23	Blue	1,000 m drum	B2ca -s1a, d1, a1	
CCXEDB-DC047-C001-L6	S/FTP 550/23 4P Simplex (Enhanced Braiding)	LSZH/FRNC	AWG 23	Blue	1,000 m drum	Cca -s1a, d1, a1	
CCXEDB-DC047-C001-L7	S/FTP 550/23 4P Simplex (Enhanced Braiding)	LSZH/FRNC	AWG 23	Blue	500 m drum	Cca -s1a, d1, a1	
CCXEDB-DC087-C001-L6	S/FTP 550/23 2 x 4P Duplex (Enhanced Braiding)	LSZH/FRNC	AWG 23	Blue	500 m drum	Cca -s1a, d1, a1	
CCXEDB-D0047-C001-X2	S/FTP 550/23 4P Simplex (Enhanced Braiding)	LSZH/FRNC	AWG 23	Blue	250 m reelex box	Dca-s1, d1, a1	

Copper Cable (Continued)

Shielded Cables for V500S Jack - Ordering Information (Continued)							
CCXEDB-D0047-C001-L6	S/FTP 550/23 4P Simplex (Enhanced Braiding)	LSZH™/FRNC	AWG 23	Blue	500 m drum	Dca-s1, d1, a1	
CCXEDB-D0047-C001-L7	S/FTP 550/23 4P Simplex (Enhanced Braiding)	LSZH/FRNC	AWG 23	Blue	1,000 m drum	Dca-s1, d1, a1	
CCXEDB-D0087-C001-L6	S/FTP 550/23 2 x 4P Duplex (Enhanced Braiding)	LSZH/FRNC	AWG 23	Blue	500 m drum	Dca-s1, d1, a1	
Cat.7 Shielded Copper Cables							
CCXEDR-F0047-C001-X2	S/FTP 800/23s 4P Simplex	LSZH/FRNC	AWG 23	Blue	250 m reelex box	Dca, s2, d2, a1	
CCXEDR-F0047-C001-L6	S/FTP 800/23s 4P Simplex	LSZH/FRNC	AWG 23	Blue	500 m drum	Dca, s2, d2, a1	
CCXEDR-F0047-C001-L7	S/FTP 800/23s 4P Simplex	LSZH/FRNC	AWG 23	Blue	1,000 m drum	Dca, s2, d2, a1	
CCXEDB-F0047-C001-X2	S/FTP 800/23 4P Simplex (Enhanced Braiding)	LSZH/FRNC	AWG 23	Blue	250 m reelex box	Dca-s1, d1, a1	
UU008185165	S/FTP 800/23s 4P Simplex	LSZH	AWG 23/1	Green	500 m drum	Dca -s2, d1, a1	VOL10SFL4500
UU008185157	S/FTP 800/23s 4P Simplex	LSZH	AWG 23/1	Green	1,000 m drum	Dca -s2, d1, a1	VOL10SFL41000
CCXEDB-FB047-C001-L6	S/FTP 800/23 4P Simplex (Enhanced Braiding)	LSZH/FRNC	AWG 23	Blue	500 m drum	B2ca -s1a, d1, a1	
CCXEDB-FB047-C001-L7	S/FTP 800/23 4P Simplex (Enhanced Braiding)	LSZH/FRNC	AWG 23	Blue	1,000 m drum	B2ca -s1a, d1, a1	
S/FTP 800/23	4P Simplex (Enhanced Braiding),	LSZH	AWG 23/1	Green	500 m drum	Cca-s1,d1,a1	VOL10SFL4500
CCXEDB-FC047-C001-L6	S/FTP 800/23 4P Simplex (Enhanced Braiding)	LSZH/FRNC	AWG 23	Blue	500 m drum	Cca -s1a, d1, a1	
CCXEDB-FC047-C001-L7	S/FTP 800/23 4P Simplex (Enhanced Braiding)	LSZH/FRNC	AWG 23	Blue	1,000 m drum	Cca -s1a, d1, a1	
CCXEDB-FC087-C001-L6	S/FTP 800/23 2 x 4P Duplex (Enhanced Braiding)	LSZH/FRNC	AWG 23	Blue	500 m drum	Cca -s1a, d1, a1	
MCXEDB-FC047-V004-L7	S/FTP 800/23 4P Simplex	LSZH	AWG 23	Green	1,000 m drum	Cca -s1a, d1, a1	VOL10SFL41000
MCXNDR-FC087-V001-L6	S/FTP 800/23 2 x 4P Duplex	LSZH	AWG 23	Green	500 m drum	Cca -s1a, d1, a1	VOL10SFL8500
CCXEDB-F0047-C001-X2	S/FTP 800/23 4P Simplex (Enhanced Braiding)	LSZH/FRNC	AWG 23	Blue	250 m reelex box	Dca-s1, d1, a1	
CCXEDB-F0047-C001-L6	S/FTP 800/23 4P Simplex (Enhanced Braiding)	LSZH/FRNC	AWG 23	Blue	500 m drum	Dca-s1, d1, a1	
CCXEDB-F0047-C001-L7	S/FTP 800/23 4P Simplex (Enhanced Braiding)	LSZH/FRNC	AWG 23	Blue	1,000 m drum	Dca-s1, d1, a1	
CCXEDB-F0087-C001-L6	S/FTP 800/23 2 x 4P Duplex (Enhanced Braiding)	LSZH/FRNC	AWG 23	Blue	500 m drum	Dca-s1, d1, a1	

Cat.7_A Shielded Copper Cables						
CCXEDR-I0047-C001-L6	S/FTP 1000/23s 4P Simplex	LSZH/FRNC	AWG 23	Blue	500 m drum	Dca-s2, d1, a1
CCXEDR-I0047-C001-L7	S/FTP 1000/23s 4P Simplex	LSZH/FRNC	AWG 23	Blue	1,000 m drum	Dca-s2, d1, a1
CCXEDR-I0087-C001-L6	S/FTP 1000/23s 2 x 4P Duplex	LSZH/FRNC	AWG 23	Blue	500 m drum	Dca-s2, d1, a1
CCXEDB-IB047-C001-L7	S/FTP 1000/23 4P Simplex (Enhanced Braiding)	LSZH/FRNC	AWG 23	Blue	1,000 m drum	B2ca-s1a,d1,a1
CCXEDB-IC047-C001-L7	S/FTP 1000/23 4P Simplex (Enhanced Braiding)	LSZH/FRNC	AWG 23	Blue	1,000 m drum	Cca-s1,d1,a1
CCXEDB-IC087-C001-L6	S/FTP 1000/23s 2 x 4P Duplex (Enhanced Braiding)	LSZH/FRNC	AWG 23	Blue	500 m drum	Cca-s1,d1,a1
CCXEDB-I0047-C001-L7	S/FTP 1000/23 4P Simplex (Enhanced Braiding)	LSZH/FRNC	AWG 23	Blue	1,000 m drum	Dca-s1, d1, a1
CCXEDB-I0087-C001-L6	S/FTP 1000/23s 2 x 4P Duplex (Enhanced Braiding)	LSZH/FRNC	AWG 23	Blue	500 m drum	Dca-s1, d1, a1
CCXFCR-I0047-C002-L7	S/FTP 1200/22s 4P Simplex	LSZH/FRNC	AWG 22	Blue	1000 m drum	Dca-s2,d2,a1
CCXFCB-L0047-C001-L7	S/FTP 1200/22 4P Simplex (Enchanced Braiding)	LSZH/FRNC	AWG 22	Blue	1000 m drum	Dca-s2,d2,a1
CCXFCB-L0087-C001-L6	S/FTP 1200/22 4P Duplex (Enchanced Braiding)	LSZH/FRNC	AWG 22	Blue	500 m drum	Dca-s1,d1,a1
CCXFCB-L0047-C002-L7	S/FTP 1200/22 AXR 4P Simplex (Enhanced Braiding)	LSZH/FRNC	AWG 22	Blue	1000 m drum	Dca-s2,d2,a1
CCXFCB-M0087-C001-L6	S/FTP 1500/22 4P Duplex (Enhanced Braiding)	LSZH/FRNC	AWG 22	Blue	500 m drum	Dca-s1,d1,a1
CCXFCB-M0047-C001-L7	S/FTP 1500/22 4P Simplex (Enhanced Braiding)	LSZH/FRNC	AWG 22	Blue	1000 m drum	Dca-s2,d2,a1

Additional CPR classes, lengths, and colours of cable available upon request. Please visit our online catalogue or consult your local Corning representative or, alternatively, Corning Customer Care at 00800 2676 4641 or email cc.emea@corning.com.

For more information on CPR reaction to fire performance class, please visit our online catalogue.

Download Declaration of Performance documents online from www.corning.com/opcomm/cpr

CORNING

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