FutureCom™ EA Patch Cord, FRNC, RJ45 - RJ45 connector

grey, RJ45-RJ45 connector, 3 m

The application-neutral FutureCom™ category 6_A patch cords have four individual foil-shielded pairs (PiMF) and an additional braid shield (S/FTP). They are assembled with a shielded RJ45 connectors on each end. The zero halogen patch cords (LSZH) are non-corrosive according to IEC 60754-2 (FRNC) and EN 50267, low smoke according to IEC 61034 and EN 50268 and flame retardant according to IEC 60332-1, Category B and EN 50266-2-1. FutureCom™ S500 patch cords provide additional latch protection.

They are available in various lengths and colours.



Part Number: CCAAGB-G1002-A030-C0

Features

- S/FTP flex cable, Category 7
- Application-neutral due to using all four pairs of RJ45 connectors
- Minimum surface transfer impedance of cable (<10 mΩ/m at 10 MHz)
- Outstanding transmission characteristics according to 10GBase-T
- Additional latch protection
- Category 6_A
- PVP Certificate
- Supports Power over Ethernet (PoE / PoE+ according to IEEE802.3bt)

Specifications

General Specifications	
Cable assembly type	Patch cords
Environment	Indoor
Cable type	S/FTP
Halogen-free	Yes
Category	6_A
Product category	Core product / Fastship

Temperature Range	
Operation	-20 °C to 60 °C

FutureCom™ EA Patch Cord, FRNC, RJ45 - RJ45 connector

grey, RJ45-RJ45 connector, 3 m

CORNING

Design - Connector A	
Connector type	RJ45 - 8/8

Mechanical Specifications - Connector A	
Durability	750 Cycles

Electrical Specifications - Connector	
Insulation Resistance	≥ 5000 MΩ

Design - Connector B	
Connector type	RJ45 - 8/8

Mechanical Specifications - Connector B	
Durability	750 Cycles

Cable Design	
Conductor	26 AWG
Conductor Insulation	Halogen-free foam-skin material
Twisting	2 cores to a pair
Pair screen	Al-laminated foil around each pair
No. of pairs	4
Overall screen	Copper braid, tinned
Outer jacket material	LSZH™/FRNC
Outer jacket colour	Grey

Mechanical Characteristics	
Min. Bend Radius Installation	47 mm
Min. Bend Radius Operation	18 mm
Nominal Outer Diameter	5.8 mm

FutureCom™ EA Patch Cord, FRNC, RJ45 - RJ45 connector

grey, RJ45-RJ45 connector, 3 m

Electrical characteristics (at 20°C)	
Max. loop resistance	290 Ω/km
DC resistance unbalance	2 %
Impedance Z_0 at 0-100 MHz	100 Ω +- 15%
Impedance Z_0 at 101-250 MHz	100 Ω +- 18%
Impedance z0 at 251-600 MHz	100 Ω +/- 25%
Surface transfer impedance	< 10 mΩ/m per meter at 10 MHz
Mutual capacity	43 pF/m
Earth coupling at 0.001 MHz	1600 pF/km
Propagation delay ≥10 MHz	4.3 ns/m
Delay skew	20 ns/100 m

Chemical Characteristics	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU

Ordering Information

Part Number	CCAAGB-G1002-A030-C0
Product Description	FutureCom™ EA Patch Cord, FRNC, RJ45 - RJ45 connector, grey, 3 m
EAN Code	4042673311645
Weight	0.144 kg
Length	3 m

Shipping Information

Units Per Delivery	1/1

Corning Optical Communications GmbH & Co. KG · Leipziger Strasse 121 · 10117 Berlin, GERMANY
00 800 2676 4641 · FAX: +49 30 5303 2335 · www.corning.com/opcomm/emea
A complete listing of the trademarks of Corning Optical Communications is available at www.corning.com/opcomm/emea/trademarks. Corning Optical Communications is ISO 9001 and ISO 14001 certified.
© 2018 Corning Optical Communications. All rights reserved.