

FutureCom™ F Patch Cord, FRNC, S1200/4 - S1200/4 connector

Grey, 1 m

CORNING

The FutureCom F S/FTP flex patch cord with 2 S1200/4 connectors in compliance with IEC 60676-3-104 provides transmission performance meeting Category 7 specifications ISO/IEC 11801 (2002) and EN 50173-1 (2003). Outstanding performance for the transmission of digital data signals for future comring applications up to 10GbE in compliance with the new Class EA and IEEE 802.3an standard. FutureCom cables are low skew products, i.e. the difference in propagation delay between the individual pairs is very low. This is increasingly being requested for Gigabit Ethernet. The suitability of the cable for high-bit-rate transmission systems ensures a high degree of future proofing. The S1200 connectors are fully assigned and hence application independent.

Additional features are the slim design and low weight of the flex cables. Each pair is individually shielded with foil (FTP). The twisted pairs are additionally enclosed as a group in a braided shield (S/FTP) to provide superior shielding performance.

The flex cable thus exceeds the requirements for EN 55022 Class B emission and EN 55024 immunity, enabling networks to be built which are compliant with the standards on electromagnetic compatibility.

The FutureCom™ F Category 7_A patch cords have four individual foil-shielded pairs (PiMF) and an additional braid shield (S/FTP). They are assembled with two shielded S1200/4 connectors.

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.

They are available in various lengths.

Features

- S/FTP flex cable, Category 7
- S1200/4 connector fully configured and application-neutral
- Minimum surface transfer impedance of cable (<10 mΩ/m at 10 MHz)
- Outstanding transmission characteristics according to class F_A (ISO/IEC 11801 Amd 2:2009) link specification
- Category 7_A



Part Number: CCAFGB-G1022-A010-C0

FutureCom™ F Patch Cord, FRNC, S1200/4 - S1200/4 connector

Grey, 1 m



Features

- Outstanding transmission characteristics according to 10GBase-T

Specifications

General Specifications	
Cable Assembly Type	Patch Cords
Environment	Indoor
Cable Type	S/FTP
Halogen-free	Yes
Category	7 _A

Design - Connector A	
Connector Type	S1200 - 4 pairs

Mechanical Specifications - Connector A	
Durability	750 Cycles

Electrical Specifications - Connector	
Insulation resistance	≥ 5000 MΩ

Design - Connector B	
Copper Connector Type - B	S1200 - 4 pairs

FutureCom™ F Patch Cord, FRNC, S1200/4 - S1200/4 connector

Grey, 1 m

CORNING

Cable Design

Min. Bend Radius Installation	40 mm
Min. Bend Radius Operation	30 mm
Outer diameter	5.8 mm
Outer jacket material	LSZH/FRNC
Outer jacket colour	Grey

Mechanical characteristics

Copper conductor	AWG 26
Fire Load	0.43 MJ/m
Temperature range (installation)	0 °C to 50 °C
Operating temperature	-20 °C to 60 °C

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 z_0 at 251-600 MHz	100 Ω +-25%
Surface transfer impedance	10 mΩ/m ; 10 MHz
Mutual capacity	43 pF/m
Earth coupling at 0.001 MHz	1600
Propagation delay ≥ 10 MHz	4.3 ns/m
Delay skew	20 ns/100 m

Chemical characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
------	-----------------------------------------------------------

FutureCom™ F Patch Cord, FRNC, S1200/4 - S1200/4 connector

Grey, 1 m



Ordering Information

Part Number	CCAFGB-G1022-A010-C0
Product Description	FutureCom™ F Patch Cord, FRNC, S1200/4 - S1200/4 connector, grey, 1 m
Weight	0.062 kg
Length	1 m

Shipping Information

Units per Delivery	1/1
--------------------	-----



Corning Cable Systems GmbH & Co. KG · Leipziger Strasse 121 · 10117 Berlin, Germany

TEL: 00800-2676-4641 (00800-CORNING1) · FAX: +49-30-5303-2335 · www.corning.com/cablesystems/emea

A complete listing of the trademarks of Corning Cable Systems is available at www.corning.com/cablesystems/emea/trademarks. Corning Cable Systems is ISO 9001 certified. © 2013 Corning Cable Systems. All rights reserved.