

FutureCom™ EA Patch Cord, FRNC, RJ45 - RJ45 connector Red, RJ45-RJ45 connector, 5 m



Part Number: CCAAGB-G5002-A050-C0

The application-neutral FutureCom™ category 6A 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 colors.

Features and Benefits

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 6A

PVP Certificate

Tested and approved for use according to IEEE802.3.bt

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Specifications

General Specifications

Cable Assembly Type	Patch Cords
Environment	Indoor
Category	6A
Cable Type	S/FTP
Halogen-free	Yes

Electrical Specifications

Max. loop resistance	43 Ω/km
Delay skew	290 ns/100 m
Earth coupling at 0.001 MHz	20 pF/km
Propagation delay ≥ 10 MHz	1600 ns/m
DC resistance unbalance	4.3 %
Impedance Z ₀ at 101-250 MHz	100 Ω ± 18%
Impedance Z ₀ at 251-600 MHz	100 Ω ± 25%
Mutual capacity	43 pF/m
Insulation Resistance	5000 MΩ*km

Specifications - Connector A

Connector Type	RJ45 - 8/8
Durability Cycles	750 N/A

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Cable Design

Conductor Insulation	Halogen-free foam-skin material
Conductor	Copper Wire, AWG 26
Twisting	2 cores to a pair
Pair screen	Al-laminated foil around each pair
Overall screen	Copper braid, tinned
Outer Jacket Material	LSZH™/FRNC
Outer Jacket Color	Red

Specifications - Connector B

Connector Type	RJ45 - 8/8
Durability Cycles	750 N/A

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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Environmental Conditions

Temperature Range, Operation	-20 °C - 60 °C (-4 °F - 140 °F)
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Mechanical Specifications

Min. Bend Radius Installation	47 mm
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