

FutureCom™ EA Patch Cord, FRNC, RJ45 - RJ45 connector Gray, RJ45-RJ45 connector, 8 m



Part Number: CCAAGB-G1002-A080-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 | Gray |

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 |
|------|---|

Environmental Conditions

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

Mechanical Specifications

| | |
|-------------------------------|-------|
| Min. Bend Radius Installation | 47 mm |
|-------------------------------|-------|

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