



Cat 6 S/FTP Patch Cable, 26 AWG, Pure Bare Copper

Model: NCN-P1C6SF-xxCLS BK

Main Features:

- ✦ Stranded Pure Bare Copper, 26 AWG;
- ✦ 1U gold-plated contacts for optimized signal integrity;
- ✦ 4 Twisted Pairs with filler reduce crosstalk, noise, and interference;
- ✦ HDPE Insulation enhances signal integrity and reduces signal loss;
- ✦ Fluke Tested for Reliable Performance.

Product Type

Category	Cat 6
Connector	2x RJ45 Male (8P8C, 1U Gold Plating)
Shielding	S/FTP

Conductor

Conductor Type	Stranded
Conductor Material	Pure Bare Copper
Conductor Size	7/0.16±0.008 mm
Wire Gauge	26 AWG
Conductor Quantity	4 Twisted Pairs
Wire Code	1. Blue / White-Blue 2. Orange / White-Orange 3. Green / White-Green 4. Brown / White-Brown

Insulation

Insulation Material	HDPE
Minimum Average Thickness	0.15 mm
Outer Diameter	0.95±0.08 mm

Filler

Material	HDPE
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Foil Shield

Material	Aluminum Mylar foil
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Coverage	100%
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Overlap	25%
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Drain

Material	Pure Bare Copper
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Size	7/0.12±0.008 mm
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Wire Gauge	28 AWG
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Braid

Material	Aluminum Magnesium Wire
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Size	16*4/0.12±0.008 mm
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Jacket

Material	LSZH
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Minimum Average Thickness	0.51 mm
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Outer Diameter	6.0±0.2 mm
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Electrical Properties

Standard Bandwidth	250 MHz
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Input Impedance	100±15% Ω (@4~100 MHz); 100±22% Ω (@100~250 MHz)
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Propagation Delay	≤ 548 ns/100m
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Propagation Skew	≤ 45 ns/100m
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Unbalanced capacitance	≤ 330 pF/100m (Pair to Ground)
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Conductor Resistance Unbalance	≤ 5%
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Insulation Resistance $\geq 5000 \text{ M}\Omega\cdot\text{km}$

Mechanical Properties

Min. Bending Radius $8\times \text{Cable OD}$

Environment

Operating Temperature -15°C to 70°C

Operating Humidity RH 10% to 90% (non-condensing)

Storage Temperature -40°C to 80°C

Storage Humidity RH 5% to 96% (non-condensing)

General

Color Black

Length 0.25/0.5/1/2/5/10/20 meter

Diagram

