



Category 6A F/FTP Cable LSZH Dca

Screened solid category 6A cable F/FTP LSZH Dca manufactured and tested to meet EN50173, ANSI/TIA-568.2-D, ISO/IEC 11801 Class EA Cat.6A specifications.

Construction

Conductor: : Solid plain annealed bare copper wire
0,557 +0/-0,011mm (AWG23)

Insulation: Foamed PE, 1,35 +/-0,05mm

Twisting: 4 twisted pairs, 2 single conductors paired.

Twisted pair color code::

- 1: white / blue 2: white-orange / orange
- 3: white / green 4: white-brown / brown

Cable lay up: 4 pairs with different pitches

Individual Shielding: A layer of aluminum-foil laminated tape will be wrapped over the twinning, the aluminum side face-out.

Shielding::

1. Drain wire (26AWG)
2. Mylar tape laminated with aluminum foil as shield, with foil facing inside.

Mechanical Properties

Outer diameter: nom. 6,4mm

Bending radius: 4xOD without load
8xOD with load

Temperature range

during operation: -20°C up to 60°C

during installation: 0°C up to 50°C

Fire rating: CPR Class Dca-s1,d2,a1 EN50575

Electrical Properties (at 20°C ± 5°C)

DC resistance max. 9,5 Ω / 100 m at 20 °C

Resistance unbalance max. 2 % at 20 °C

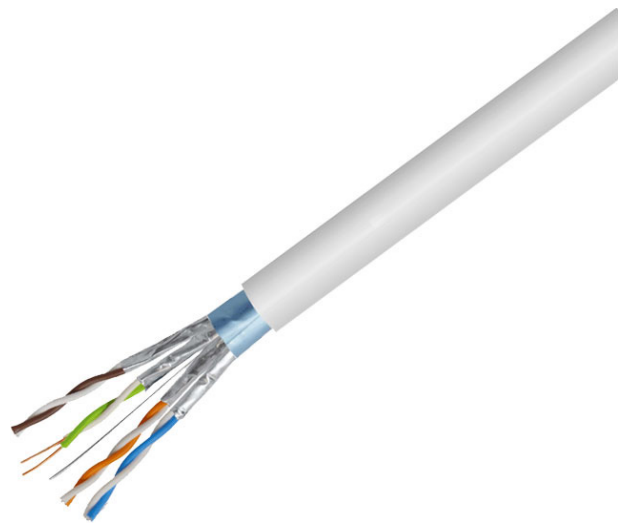
Insulation resistance (500V) min. 5000 MΩ/Km at 20 °C

Mutual capacitance max. 5,6 nf / 100 m at 1 kHz

Capacitance unbalance (pair to ground) max. 120 pf / 100 m at 1 kHz

Nominal velocity of propagation nom. 78 %

Test voltage (DC, 1 min) 1 kV / 1 min



PART.NO	DESCRIPTION	PACKAGING	COLOR
OC3001	Opus Category 6A F/FTP Cable LSZH Dca	500mtr Reel	White