Cat 7 S/FTP D_{ca} installation cable

Twisted pair, 600 MHz, Class F, AWG 26/1

Item No.: PN-IK-7-305-S-D-GR (Dca)



Description

The Cat. 7 S/FTP installation cable features the following cable construction: 4x2xAWG26/1 and achieves a transmission frequency of 600 MHz. The cable sheath complies with Euroclass Dca. The cable is suitable for structured building cabling in secondary and tertiary areas. Supplied in a cable box (cardboard) containing 305 m.

Physical & Mechanical Characteristics

Conductors:	copper, Ø 0.4 mm, 8 conductors, twisted into 4 pairs
Insulation:	SFS-PE (foamed polyethylene sheath)
Colour code:	blue-white, orange-white, green-white, brown-white
Pair shielding:	aluminium-laminated polyester film
Overall shielding:	Copper braiding
Outer sheath:	Dca -s1a, d0, a1 in accordance with EN 50575, grey (RAL 7035)
Outer sheath thickness:	0.45 mm
Tensile load:	150 N max.
Bending radius:	Dynamic: 8x ADmm min./ Static: 4x ADmm min.
Operating temperature:	-20 °C to +50 °C
Outer diameter:	5.9 mm
Flame resistance:	IEC60332-1

Applicable standards

ISO/IEC 11801 3rd Ed.
IEC 61156-5
EN 50173-1
EN 50288-4-1

Electrical characteristics

Characteristic impedance:	100±15 ohms at 100MHz
Capacitance:	56 pF/m nominal @ 1 kHz
Capacitance asymmetry:	1.6 pF/m max. @ 1 kHz (pair-to-earth)
Insulation resistance:	5GOhm × km min.
DC resistance:	140 ohms/km max. (2% max. unbalanced resistance)
Loop resistance:	280 ohms/km max. (2% max. unbalanced resistance)
Operating voltage:	72 Vdc max.
Phase delay:	570 nS/100m max.
Propagation delay:	25 nS/100m max.
NVP:	72 per cent

