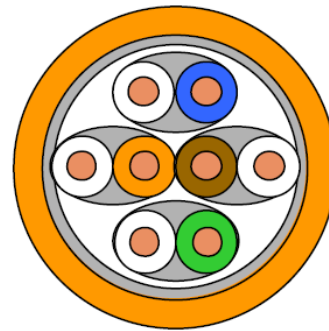


· Cat.7 S/FTP 1000 MHz PIMF



Beskrivelse:
Innstallasjonskabel



Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal)
IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T; 10GBase-T
IEEE 802.5 16 MB; ISDN; TPDDI; ATM

Standards

EN 50173-1; EN 50288-4-1
ISO/IEC 11801; IEC 61156-5

Flame resistance

FRNC: IEC 60332-1; IEC 60754-2; IEC 61034

Construction

Conductor	bare copper wire, Ø 0.56 mm (AWG 23)
Insulation	Foamskin PE, Ø 1.35 mm
Twisting	2 cores to the pair
Pair screen	Al-laminated plastic foil
Cable lay up	4 pairs (PIMF) to the core
Screen	copper braid, tinned (ca. 40 % coverage)
Sheath	FRNC, orange

Mechanical properties

Bending radius	without load	≥ 40 mm
	with load	≥ 80 mm
Temperature range	during operation	-20°C to + 60°C
	during installation	0°C to + 50°C

Electrical properties

at 20°C± 5°C

Loop resistance		≤ 165 Ω/km
Resistance unbalance		≤ 2%
Insulation resistance	(500 V)	≥ 2000 MΩ*km
Mutual capacitance	at 800 Hz	Nom. 43 nF/km
Capacitance unbalance	(pair/ground)	≤ 1500 pF/km
Characteristic impedance	(1-100 MHz)	(100 ± 15) Ω
	(100 - 250) MHz	(100 ± 18) Ω
	(250 - 600) MHz	(100 ± 25) Ω
Nominal velocity of propagation		ca. 79 %
Propagation delay		≤ 427 ns/100m
Delay skew		≤ 12 ns/100m
Test voltage	(DC, 1 min) core/core and core/screen	1000 V
Transfer impedance	at 1 MHz	≤ 20 mΩ/m
	at 10 MHz	≤ 30 mΩ/m
	at 30 MHz	≤ 40 mΩ/m
	at 100MHz	≤ 200 mΩ/m

Technical data

Product code	Cable type	Brand name	Outer diameter mm	Fire load		Weight kg/km	Copper content	Tensile force N
				MJ/km	kWh/m			
99980.x	CAT7 PIMF 4x2x0,5 FRNC orange	CAT7 1000MHz	7,0	590	0,170	65	26	110
99980DX.x	CAT7 PIMF FRNC 2x(4x2x0.56) orange	CAT7 DUPELX 1000MHz	7,2/15,0	1190	0,345	132	52	220