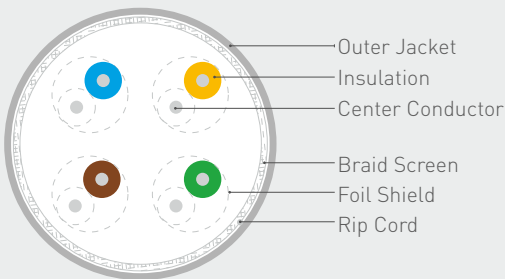
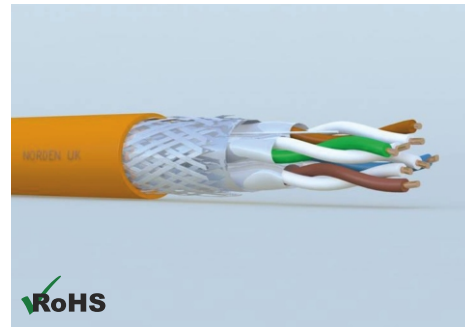


CATEGORY 7 S/FTP 4 PAIR EXTERNAL CABLE PE SHEATH

Norden Category 7 S/FTP cables exceed Category 7/ Class F specification maximizing the user's return on investment, by extending the life of the system. It is tested to 600 MHz frequency range and designed to support 10 Gigabyte applications.

The cable is of a 4 pair S/FTP construction with individual foiled pair and an overall braid offering superior performance in terms of ACR. It supports all Ethernet for external applications.



COMPLIANCE

IEC 61156-5:2002 category 7
EN 50288-4
TIA/EIA 568-B

MATERIAL CONSTRUCTION & DESIGN

Conductor Material	SOLID-Bare Copper
Conductor Size	23 AWG
Normal Conductor Diameter	0.560±0.005 mm
Conductor Construction	Solid
Insulation Material	Skin-Foam-Skin PE
Insulation O.D.	1.330±0.05 mm
Conductor Unit Identification	Solid/Stripe
Colour code	Per TIA/EIA 568-B
Ind. Shield Material	Aluminium/Mylar
Ind. Shield Design	100 % Coverage
Conductor Unit Lay-Up	Pairs
Overall Braid Shield Material	Tinned Copper 0.10 mm
Braid Coverage	More than 30 %
Drain-Wire Material	N/A
Outer Jacket Material	LDPE
Outer Jacket Thickness & Ex. Diameter	0.55±0.05 mm, 7.5±0.5 mm
Rip Cord	Yes
Total Number of Wires	8
Outer Jacket Colour	Per Requirement
Marking	Per Requirement

CATEGORY 7 S/FTP 4 PAIR EXTERNAL CABLE PE SHEATH

ELECTRICAL & MECHANICAL CHARACTERISTICS

Impedance	100 Ω
Max. DC Resistance (Ω /100m)	9.5 Ω /km @20°C
Max. Resistance Unbalance	2 %
Capacitance Unbalance	3.3 pF/m max.
Velocity of Propagation	74 % nom.
Propagation Delay Skew	25 ns/100m max.
Dielectric Strength	DC 1kv, 1min pass
Dielectric Strength to Shield	1.5 kV/minute
Min. Insulation Resistance	5000 Ω • km
Coupling Attenuation	Min 39.4dB/100M @ 600MHz
Max. Tensile Strength - Short Term	130 N
Min. Bend Radius	80mm
Operating Temperature Range	-40°C ~ +60°C

TECHNICAL PERFORMANCE(100m)

Frequency. MHz	ATT \leq dB	NEXT \geq dB	PSNEXT \geq dB	RL \geq dB	ACR \geq dB	ELFEXT \geq dB	PSELFEXT \geq dB
4	3.74	78.0	75.0	23.0	74.26	78.0	75.0
8	5.24	78.0	75.0	24.5	72.76	75.9	72.9
10	5.86	78.0	75.0	25.0	72.14	74.0	71.0
16	7.41	78.0	75.0	25.0	70.59	69.9	66.9
20	8.29	78.0	75.0	25.0	69.71	68.0	65.0
25	9.29	78.0	75.0	24.3	68.71	66.0	63.0
31.25	10.41	78.0	75.0	23.6	67.59	64.1	61.1
62.5	14.88	75.5	72.5	21.5	60.58	58.1	55.1
100	19.02	72.4	69.4	20.1	53.38	54.0	51.0
150	23.56	69.8	66.8	18.9	45.57	50.2	47.2
200	27.47	67.9	64.9	18.0	40.41	48.0	45.0
250	30.97	66.4	63.4	17.3	35.46	46.0	43.0
300	34.19	65.2	62.2	17.3	31.05	44.5	41.5
600	50.10	60.7	57.7	17.3	10.63	38.4	35.4

*Supplied cables meets Cat. 7 min. transmission requirements as per IEC 61156-5 Ed. 2

ORDERING INFORMATION

Part Number	Description	Standard Length
115-20003504X	Category 7 S/FTP 4 Pair External Cable PE	305 mtr

X:BK(Black), BL(Blue), GN(Green), GY(Gray), RD(Red), WH(White), YL(Yellow)

PACKING INFORMATION

Part Number	Packing Mode	N.W (kg/km)	G.W (kg)	Dimension (mm)
115-20003504X	Plywood Reel/Ctn	56	58	380 x 160 x 240

