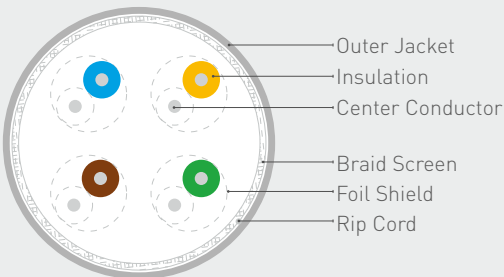
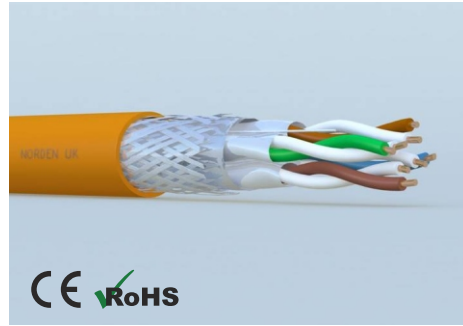


CATEGORY 7 S/FTP 4 PAIR CABLE

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 applications up to 1000 Base-T and CATV applications upto 862 Mhz.



COMPLIANCE

ISO/IEC 11801:2002 category 7
 IEC 61156-5:2002 category 7
 LSZH: IEC 60332-1, IEC 60754, and IEC 61034

MATERIAL CONSTRUCTION & DESIGN

Conductor Material	Bare Copper
Conductor Size	23 AWG
Normal Conductor Diameter	0.58±0.005 mm
Conductor Construction	Solid
Insulation Material	SFS PE
Insulation O.D.	1.35 mm nom.
Conductor Unit Identification	Solid/Stripe
Colour code	Per TIA/EIA 568-B
Ind. Shield Material	Aluminium/Polyester Foil
Ind. Shield Design	100 % Coverage
Conductor Unit Lay-Up	Pairs
Overall Braid Shield Material	Tinned Copper 0.10 mm
Braid Coverage	More than 40 %
Drain-Wire Material	N/A
Outer Jacket Material	LSZH Low Smoke Zero Halogen or PVC
Outer Jacket Thickness & Ex. Diameter	0.55±0.05 mm, 7.9±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 CABLE

ELECTRICAL & MECHANICAL CHARACTERISTICS

Impedance	100 Ω
Max. DC Resistance	73 Ω/km @ 20 °C
Max. Resistance Unbalance	2 %
Capacitance Unbalance	1.2 pF/m max.
Velocity of Propagation	78 % nom.
Propagation Delay Skew	25 ns/100m max.
Dielectric Strength	1.5 kV/minute
Dielectric Strength to Shield	1.5 kV/minute
Min. Insulation Resistance	5 GΩ•km
Coupling Attenuation	85 db min @ 30-100 MHz 85-20log [f/100] @100-600 MHz
Max. Tensile Strength - Short Term	130 N
Min. Bend Radius	60 mm
Operating Temperature Range	-35 °C +65 °C

TRANSMISSION PERFORMANCE

Cat7. Screened Horizontal Cables*

Freq. MHz	Attenuation dB/100m @ 20°C	NEXT dB	PS dB	NEXT	RL dB	ACR dB	ELFEXT dB	PSELFEXT dB
1	2.0	80.0	77.0		20.0	78.0	79.0	76.0
4	3.7	80.0	77.0		23.0	76.3	78.8	75.8
10	5.7	80.0	77.0		25.0	74.3	76.4	73.4
20	7.4	80.0	77.0		25.0	72.6	73.3	70.3
31.25	10.0	78.8	75.8		23.8	68.8	70.1	67.1
100	18.8	72.4	69.4		20.1	53.6	65.0	62.0
150	22.5	69.6	66.6		18.8	47.1	63.7	60.7
200	26.5	67.9	64.9		18.0	41.4	62.2	59.2
250	29.0	66.5	63.5		17.3	37.5	60.8	57.8
300	33.6	65.3	62.3		16.4	31.7	58.6	55.6
400	38.6	64.0	61.0		16.4	25.4	55.9	52.9
500	44.9	62.3	59.3		16.4	17.4	53.4	51.4
600	48.7	60.8	57.8		16.4	12.1	50.1	47.1

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

ORDERING INFORMATION

Part Number	Description	Standard Length
115-10002504X	Category 7 S/FTP 4 Pair Cable LSZH	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)	G.W (kg)	Dimension (mm)
115-10002504X	Plywood Reel/Ctn	21.5	23.5	420 x 420 x 260