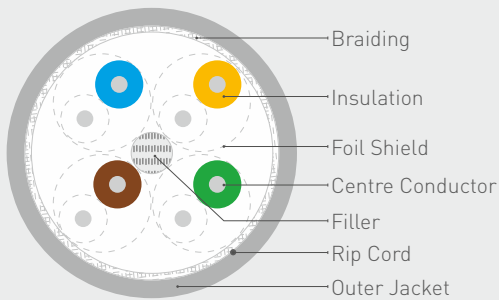
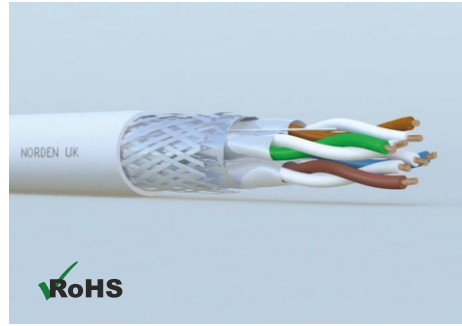


CATEGORY 8 S/FTP 4 PAIR 22 AWG CABLE

Norden Category 8.1 S/FTP cables exceed Category 8.1/ Class II specification, maximizing the user's return on investment, by extending the life of the system. It is tested to 2000 MHz frequency range and designed to support networking application upto 40 Gbps.



COMPLIANCE

ISO/IEC 11801 (1-6):2017 Class II
ANSI/TIA-568.2-D
LSZH: IEC 60332-1 / IEC 60754 / IEC 61034

PRODUCT CLASSIFICATION

Product Sequence	Premium
Product Type	Twisted Pair Cable

MATERIAL CONSTRUCTION & DESIGN

Conductor Material	Bare Copper
Conductor Size	22 AWG
Conductor Construction	Solid
Insulation Material	Foam PE
Insulation O.D.	1.45 mm nom.
Conductor Unit Identification	Solid/Stripe
Colour Code	Per TIA/EIA 568-B
Ind. Shield Material	Aluminium/Polyester Foil
Ind. Shield Design	Aluminium Face Outwards
Conductor Unit Lay-Up	Pairs
Drain Wire	N/A
Overall Shield Design	Braid
Overall Shield Material	Tinned Copper 0.10 mm
Braid Coverage	More than 60 %.
Total Number of Wires	8
Rip Cord	Yes
Outer Jacket Material	LSZH
Outer Jacket Ex. Diameter	7.8±0.5 mm
Outer Jacket Colour	Per Requirement
Marking	Per Requirement

CATEGORY 8 S/FTP 4 PAIR 22 AWG CABLE

ELECTRICAL & MECHANICAL CHARACTERISTICS

Frequency Range	1 - 2000 MHz
Impedance	100 Ω
Max. DC Resistance	≤67.9 Ω/km @ 20 °C
Max. Resistance Unbalance	≤5%
Velocity of Propagation	78 % nom.
Dielectric Strength	1 kV/minute
Dielectric Strength to Shield	1 kV/minute
Min. Insulation Resistance	5 GΩ•km
Max. Tensile Strength - Short Term	130 N
Min. Bend Radius	60 mm
Operating Temperature Range	-20 °C to 75 °C

TRANSMISSION PERFORMANCE

Cat 8.1 Screened Horizontal Cables*

Freq. MHz	Attenuation dB/100m @ 20°C	NEXT dB	PS NEXT dB	RL dB	ACRF dB/30m	PSACRF dB/30m
1	0.5	90.0	87.0	24.0	88.0	85.0
4	1.0	80.3	79.2	26.0	79.3	77.9
8	1.4	79.5	77.7	26.0	73.7	72.7
10	1.6	75.0	73.7	26.0	71.9	70.1
16	2.1	77.1	74.6	30.0	67.7	66.9
20	2.3	76.4	73.8	30.0	65.7	64.5
25	2.6	77.9	77.0	28.0	64.4	62.8
31.25	2.9	76.2	75.4	28.0	62.2	60.8
62.5	4.2	71.4	70.9	27.0	56.8	55.0
100	5.4	65.7	64.9	27.0	54.0	51.5
200	7.7	67.5	64.4	26.0	46.2	45.5
250	8.7	67.5	64.7	25.5	42.9	43.9
300	9.6	63.4	61.1	25.0	39.7	39.0
400	11.2	57.4	56.3	24.0	40.9	39.2
500	12.6	60.6	58.7	23.0	37.3	34.4
600	14.1	64.3	61.9	22.0	32.8	31.0
1000	19.2	60.9	58.2	20.0	28.9	28.1
1500	22.7	53.3	50.4	18.0	21.6	21.4
2000	28.1	41.0	38.6	16.0	19.2	17.4

ORDERING INFORMATION

Part Number	Description	Standard Length
109-10002504X	Category 8.1 S/FTP 4 Pair 22 AWG 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)
109-10002504X	Plywood Reel	21.5	23.5	420 x 420 x 260