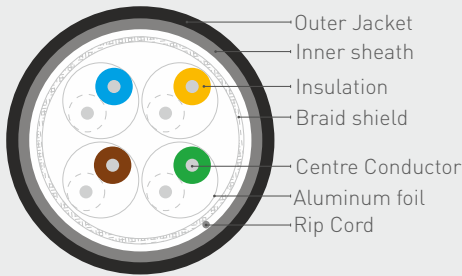
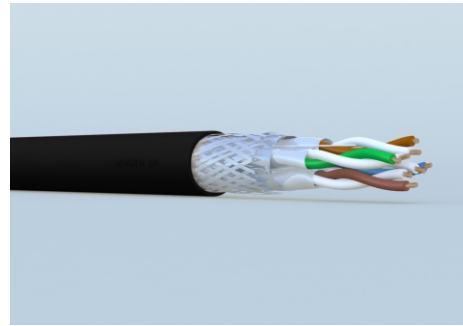


# CAT 7 S/FTP 4 PAIR DOUBLE JACKET EXTERNAL CABLE

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 for external applications.



## COMPLIANCE

ISO/IEC 61156-5  
 EN 50288-4  
 LSZH: IEC 60332-1, IEC 60754, IEC 6103

## PRODUCT CLASSIFICATION

Product Sequence	Premium
Product Type	Twisted Pair Cable

## MATERIAL CONSTRUCTION & DESIGN

Conductor Material	SOLID-Bare Copper
Conductor Size	23 AWG
Normal Conductor Diameter	0.560±0.005 mm
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	≥45 %
Drain-Wire Material	N/A
Inner Jacket Material	LSZH
Outer Jacket Material	LDPE
Outer Jacket Thickness & Ex. Diameter	0.60±0.05 mm, 8.8±0.5 mm
Rip Cord	Yes
Total Number of Wires	8
Outer Jacket Colour	Per Requirement
Marking	Per Requirement

# CAT 7 S/FTP 4 PAIR DOUBLE JACKET EXTERNAL CABLE

## ELECTRICAL & MECHANICAL CHARACTERISTICS

Impedance	100 Ω
Max. DC Resistance (Ω/100m)	9.5Ω/km
Max. Resistance Unbalance	5 %
Capacitance Unbalance	3.3 pF/m max.
Velocity of Propagation	74 % nom.
Propagation Delay Skew	≤25 ns/100m
Dielectric Strength	DC 1kv, 1min pass
Dielectric Strength to Shield	1.5 kV/minute
Min. Insulation Resistance	5000Ω• km
Coupling Attenuation	Min 39.4dB/100M @ 600MHz
Before aging tensile strength (Mpa)	≥10.0
Min. Bend Radius	80mm
Operating Temperature Range	-40°C to +60°C

## TECHNICAL PERFORMANCE(100m)

Frequency. MHz	ATT ≤ dB	NEXT ≥ dB	PSNEXT ≥ dB	RL ≥ dB	PHASE DELAY ≤ ns	ELFEXT ≥ dB	PSELFEXT ≥ dB
1	-	78.0	75.0	20.0	570.0	78.0	75.0
4	3.74	78.0	75.0	23.0	552.0	78.0	75.0
8	5.24	78.0	75.0	24.5	546.7	75.9	72.9
10	5.86	78.0	75.0	25.0	545.4	74.0	71.0
16	7.41	78.0	75.0	25.0	543.0	69.9	66.9
20	8.29	78.0	75.0	25.0	542.0	68.0	65.0
25	9.29	78.0	75.0	24.3	541.2	66.0	63.0
31.25	10.41	78.0	75.0	23.6	540.4	64.1	61.1
62.5	14.88	75.5	72.5	21.5	538.6	58.1	55.1
100	19.02	72.4	69.4	20.1	537.6	54.0	51.0
150	23.56	69.8	66.8	18.9	536.9	50.2	47.2
200	27.47	67.9	64.9	18.0	536.5	48.0	45.0
250	30.97	66.4	63.4	17.3	536.3	46.0	43.0
300	34.19	65.2	62.2	17.3	536.1	44.5	41.5
600	50.10	60.7	57.7	17.3	535.5	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
115-20223504X	Cat 7 S/FTP 4 Pair Double Jacket External Cable	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)
115-20223504X	Plywood Reel/Ctn	56	58	380 x 160 x 240