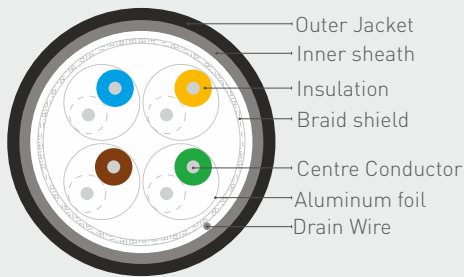
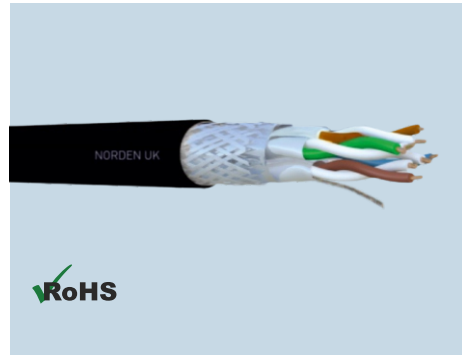


CATEGORY 6A S/FTP 4 PAIR DOUBLE JACKET EXTERNAL CABLE

Norden Category 6A S/FTP 4-Pair Double Jacket Cable exceeds Category 6A / Class EA specifications and is intended for external applications. It is tested up to a 500 MHz frequency range and designed to support 10 Gigabit Ethernet (10GBase-T) applications up to 100M .The cable provides exceptionally high pair balance, ensuring superior EMC (Electromagnetic Compatibility) by minimizing radiation, maximizing noise immunity, and providing excellent alien crosstalk performance compared to F/FTP (Foiled Twisted Pair) cabling systems.S/FTP (Shielded Foiled Twisted Pair) cables, which feature an overall braid shield and individual foil shields on each pair, are preferred for installations requiring enhanced alien crosstalk protection and improved data integrity in high-speed network environments.



COMPLIANCE

IEEE 802.3af, IEEE 802.3at for PoE applications
ANSI/TIA-568.2-D
ISO/IEC-11801, Class EA
IEC 61156-5: Category 6A
EN 50288-10-1EN 50173
LSZH: IEC 60332-1, IEC 60754, IEC 61034

PRODUCT CLASSIFICATION

Product Sequence	Premium
Product Type	Twisted Pair Cable

MATERIAL CONSTRUCTION & DESIGN

Conductor Material	Solid Bare Copper
Conductor Size	23 AWG
Conductor Construction	Solid
Insulation Material	Skin-foam-skin PE
Insulation Diameter	1.38 mm
Drain Wire(1/0.40)	Tinned copper
Colour Code	Per TIA/EIA 568-B
Ind. Shield Material	Aluminum/polyester
Shield Overlap	≥25%
Conductor Unit lay-Up	Pairs
Overall Shield Design	Braid
Overall Shield Material	Tinned Copper, 0.10 mm
Braid Coverage	40%
Total Number of Wires	8
Inner Jacket	LSZH (Low Smoke Zero Halogen)
Inner Jacket Thickness	0.50±0.05 mm
Inner Diameter	7.50±0.30 mm
Outer Jacket	LDPE
Outer Jacket Thickness & Ex. Diameter	0.5±0.05 mm, 8.6±0.30 mm



CATEGORY 6A S/FTP 4 PAIR DOUBLE JACKET EXTERNAL CABLE



ELECTRICAL & MECHANICAL CHARACTERISTICS

Frequency Range	1 - 500 MHz
DC Resistance	93 Ω/km
Max. Resistance Unbalance	≤4 %
Capacitance	5.6 nF/100m max.
Capacitance Unbalance	≤330 pF/100m
Propagation Delay Skew	≤45 ns/100m
Velocity of Propagation	78 %
Dielectric Strength	1 KV/ 1 Min.
Max DC Loop Resistance	19.2Ω/100m
Insulation Resistance	5 GΩ•km

TRANSMISSION PERFORMANCE

Cat. 6A screened Pair Horizontal Cables

Freq. Mhz	ATTN (dB/100m)	RL (dB)	NEXT (dB)	ELFEXT (dB/100m)	PS NEXT (dB/100m)	PS ELFEXT (dB/100m)
4.00	3.80	23.0	66.3	56.0	63.3	53.0
8.00	5.30	24.5	61.8	49.9	58.8	46.0
10.00	5.90	25.0	60.3	48.0	57.3	45.0
16.00	7.50	25.0	57.2	43.9	54.2	40.9
20.00	8.40	25.0	55.8	42.0	52.8	39.0
25.00	9.40	24.3	54.3	40.0	51.3	37.0
31.25	10.50	23.6	52.9	38.1	49.9	35.1
62.50	15.00	21.5	48.4	32.1	45.4	29.1
100.00	19.10	20.1	45.3	28.0	42.3	25.0
200.00	27.60	18.0	40.8	22.0	37.8	19.0
250.00	31.10	17.3	39.3	20.0	36.3	17.0
300.00	34.10	17.3	38.1	18.5	35.1	15.5
500.00	45.30	17.3	34.8	14.0	31.8	11.0

*Supplied cables meets Cat. 6A min. transmission requirements as per IEC 61156-5 Ed. 2

ORDERING INFORMATION

Part Number	Description
114-2022K504X	Cat6A S/FTP 4 Pair Double Jacket External Cable Inner LSZH /Outer LDPE

X: BK(Black)