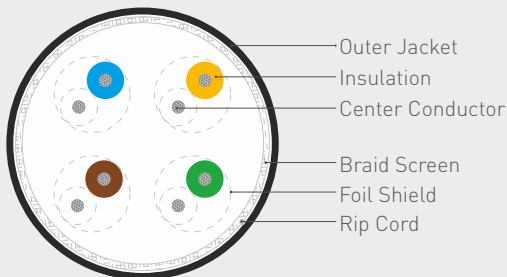
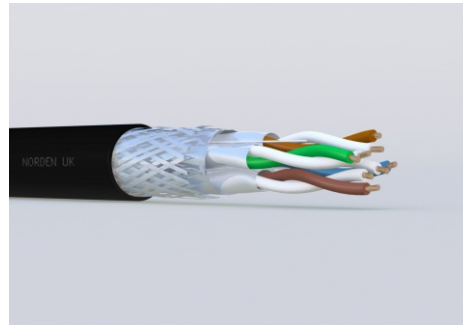


CATEGORY 6 S/FTP 4 PAIR MARINE CABLE

Norden Category 6 S/FTP marine cables exceed Category 6 / Class EA specification. It is tested to 250 MHz frequency range and designed to support 10 Gigabyte application for ship and offshore use. This cable is constructed with 23 AWG/7 BC conductor, Foam PE insulation, AL/Mylar individual screen, Tinned copper braiding overall screen and SHF1 jacket.



COMPLIANCE

IEEE 802.3an :2006 (10GBASE-T)
ANSI/TIA-568.2-D Category 6 ISO/
IEC-11801, Class E
IEC 61156-5: Category 6

PRODUCT CLASSIFICATION

Product Sequence	Premium
Product Type	Twisted Pair Cable

MATERIAL CONSTRUCTION & DESIGN

Conductor Material	Bare copper
Conductor Size	23 AWG, 7x0.23mm
Conductor Construction	Stranded
Insulation Material	Foam PE
Insulation O.D.	1.55±0.05mm
Colour Code	Per TIA/EIA 568-B
Ind. Shield Material	Aluminium/Mylar
Ind. Shield Design	100 % Coverage
Conductor Unit Lay-Up	Pairs
Overall Shield Design	Braid
Overall Shield Material	Tinned Copper
Braid Coverage	More than 65 %.
Drain-Wire Material	N/A
Total Number of Wires	8
Outer Jacket	SHF1
Outer Jacket Diameter	9.0 mm
Outer Jacket Colour	Black
Marking	Per Requirement

CATEGORY 6 S/FTP 4 PAIR MARINE CABLE

ELECTRICAL & OTHER CHARACTERISTICS

Frequency Range	1 - 250 MHz
Impedance	100 Ω
Conductor DC resistance	≤ 93.8Ω/km
DC Resistance Unbalance	≤ 5%
Characteristic impedance	100±15Ω @100MHz, 100±22Ω @100~250MHz
Dielectric Strength	DC1KV for 1min (cond. to cond.,cond. to screen)
Insulation Resistance	≥ 5000MΩ.km (IEC 60189-1)
Capacitance Unbalance (pair to ground)	≤ 160pF/100m at 1kHz (IEC 60189-1)
Operating temperature	-15°C to 80°C
Installation temperature	5°C to 60°C
Acid Gas Release Mounts	≤ 5mg/g (IEC 60754-1)
Burning Occur Gas Acidity	PH>4.3 (IEC 60754-2)
Burning Occur Gas conductivity	<10 μS/mm (IEC 60754-2)
Smoke density	≥ 60% (IEC 61034-2)
Flame resistance	IEC 60332-3-24

TRANSMISSION PERFORMANCE

Cat. 6 screened Pair Horizontal Cables*

Freq. MHz	Attenuation dB/100m @ 20°C	NEXT dB	PSNEXT dB	RL dB	ELFEXT dB	PSELFEXT dB
1	2.0	80.0	78.0	27.0	81.8	77.8
4	3.8	75.0	72.8	30.0	76.8	73.8
10	6.0	71.0	69.0	30.0	70.0	67.8
20	8.5	62.0	60.2	30.0	58.8	55.8
31.25	10.4	60.9	58.9	28.6	56.8	53.3
100	19.8	54.0	52.0	26.0	47.8	44.8
150	24.7	50.7	48.7	25.1	43.3	40.3
200	29.0	48.1	46.1	23.8	38.8	35.8
250	32.8	46.3	44.3	22.0	36.8	33.8

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

ORDERING INFORMATION

Part Number	Description	Standard Length
113-30706504X	Category 6 S/FTP 4 Pair Marine Cable	305 mtr

PACKING INFORMATION

Part Number	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
113-30706504X	Plywood Reel/Ctn	23.6	26.0	420 x 420 x 260