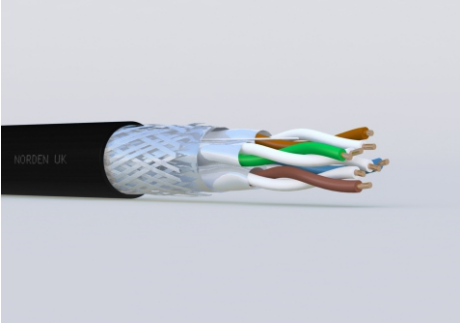


CATEGORY 7 S/FTP 4 PAIR MARINE CABLE SHF1 JACKET

Norden Category 7 S/FTP marine cables exceed Category 7 / Class F specification. It is tested to 600 MHz frequency range and designed to support 10 Gigabyte application for ship and offshore use. This cable is constructed with 23 AWG stranded bare copper conductor, Foam PE insulation, AL/Mylar individual screen, Tinned copper braiding overall screen and SHF1 jacket.



- Outer Jacket
- Insulation
- Center Conductor
- Braid Screen
- Foil Shield
- Rip Cord

COMPLIANCE

IEEE 802.3an :2006 (10GBASE-T)
ANSI/TIA-568.2-D Category 6A ISO/
IEC-11801, 2nd Edition Class EA IEC
61156-5:2002 Category 6A

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 60%.
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 7 S/FTP 4 PAIR MARINE CABLE SHF1 JACKET

ELECTRICAL & OTHER CHARACTERISTICS

Frequency Range	1 - 600 MHz
Impedance	100 Ω
Conductor DC resistance	≤ 73.2Ω/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
Capacitance Unbalance (pair to ground)	≤ 160pF/100m at 1kHz
Operating temperature	-40°C to 80°C
Installation temperature	-20°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 60332-3-22 , IEC60332-1
Oil resistance	IRM902, 70°C×4H
UV resistance	UL1581(300H)

TRANSMISSION PERFORMANCE

Freq. MHz	Attenuation dB/100m	RL dB	NEXT dB	PSNEXT dB	ELFEXT dB	PSELFEXT dB
	Max.	Min.	Min.	Min.	Min.	Min.
4	3.74	23.0	78	75	78	75
8	5.24	24.5	78	75	77.2	74.2
10	5.86	25.0	78	75	75.3	72.3
16	7.41	25.0	78	75	71.2	68.2
20	8.29	25.0	78	75	69.3	66.3
25	9.29	24.3	78	75	67.3	64.3
31.25	10.41	23.6	78	75	65.4	62.4
62.5	14.88	21.5	75.5	72.5	59.4	56.4
100	19.02	20.1	72.4	69.4	55.3	52.3
200	27.47	18.0	67.9	64.9	51.5	48.5
250	31.97	17.3	66.4	63.4	49.3	46.3
300	34.19	17.3	65.2	62.2	45.8	42.8
400	40.01	17.3	63.4	60.4	43.3	40.3
500	45.26	17.3	61.9	58.9	41.3	38.3
600	50.10	17.3	60.7	57.7	39.7	36.7

ORDERING INFORMATION

Part Number	Description	Standard Length
115-3070S504X	Category 7 S/FTP 4 Pair Marine Cable SHF1 Jacket	305 mtr

PACKING INFORMATION

Part Number	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
115-3070S504X	Plywood Reel/Ctn	23.6	26.0	420 x 420 x 260