CAN BUS CABLES 120Ω

Application

These cables are dedicated to the shipbuilding industry.

Standards

- IEC 60092-350/351/352/353/359/370/376
- IEC 60332-1-2
- IEC 60332-3-22
- IEC 60754-1/2
- IEC 61034

Construction

- Conductors: Stranded tinned copper 21AWG.
- Insulation: Foam skin PP.
- Inner Sheath: Thermoplastic copolymer (FRNC).
- Overall Screen1: Aluminium/polyester tape.
- Overall Screen2: Tinned copper braid.
- Outer Sheath: LSOH (SHF1).

Core Identification

Pair 1: Blue, Red
Pair 2: Brown, Green

Electrical Characteristics

Characteristic Impedance	Ω	120 ± 18	
Mutual Capacitance @1KHz	nF/km	36	
Insulation Resistance	GΩ.km	5	
		1 pair	2 pair
Attenuation @0.1MHz	dB/100m	0.65	0.3
Attenuation @1MHz	dB/100m	1.9	1.1

Attenuation @5MHz	dB/100m	4.3	2.8
Attenuation @10MHz	dB/100m	8.1	3.9
Attenuation @20MHz	dB/100m	10.5	5.7

Mechanical and Thermal Properties

Bending Radius for Fixed Installations: 10×OD
Temperature Range: -30℃ ~ +80℃

Dimensions and Weight

Part No.	Construction No. of elements×No. of cores in element×Cross section(mm²)	Core Diameter mm	Nominal Overall Diameter mm	Nominal Weight kg/km
MLN-09YSH(ST)CH-1×2×21A	1×2×21 AWG	2.4	7.7	79
MLN-09YSH(ST)CH-2×2×21A	2×2×21 AWG	2.2	8.4	90