船用总线 Marine Bus cable

RS485 UFR 1×2×0.75 SHF2

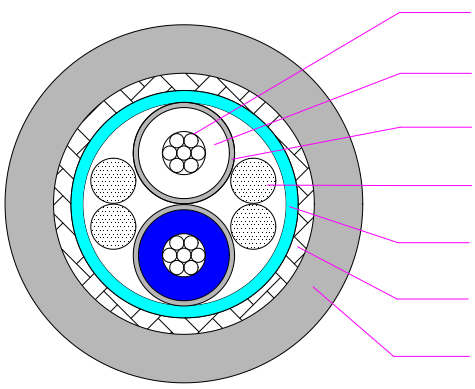
HF Flame Oil Cold UV Fire

应用 Application

该电缆专为自动化和通信的工业现场总线系统而设计，专为船舶和海上使用而设计，专为固定应用而设计，例如过程控制和自动化，或偶尔移动机器的部件。该产品符合 IEC 61158-2 标准。

This cable is designed for industrial field bus systems of automation and communication, designed for ship and offshore use, designed for fixed applications, such as process control and automation, or occasionally moving parts of the machine. The product complying with IEC 61158-2 standard.

结构 Construction



导体 Conductor
绝缘 Insulation
包带 Tape
填充 Filler
屏蔽 Shield
编织 Braid
外护套 Outer sheath

导体 Conductor	0.75mm² 多股镀锡铜导体	0.75mm² Standard tinned copper wire
绝缘 Insulation	发泡 PE 颜色：白、蓝	Foam PE Color：White，Blue
包带 Tape	耐火云母带	Fire-resistant Mica tape
填充(可选)Filler(Optional)	PP	PP
屏蔽 Shield	铝箔	AL/Mylar
编织 Braid	镀锡铜编织，覆盖率≥80%	Tinned copper wire braid，coverage≥80%
外护套 Outer Sheath	SHF2 颜色：灰色或定制 OD: 9.5±0.8mm	SHF2 Color ： Grey or as customer's request OD: 9.5±0.8mm
印字 Marking	Hysin □ MARINE □ Cable □ RS485 □ UFR □ 1 × 2 × 0.75 □ SHF2 □ IEC60331-23 □ IEC60332-3-22□****m□xxxxxx□WW/YY 注：□ 表示空格；****m 表示计米；xxxxxx 表示批号;WW/YY 表示周数/年份 Note：□ means blank；****m means meters；xxxxxx means batch number；WW/YY means week/year	

电气性能 Electrical Characteristics（20℃）

特性阻抗	Characteristic impedance	120±12Ω @ 1MHz
衰减	Attenuation	≤30 dB/km @1MHz
电容	Mutual Capacitance	<60 pF/m @800Hz
导体直流电阻	Conductor DC resistance	≤26 Ω/km
绝缘电阻	Insulation DC resistance at 20℃	≥1 GΩ.km
工作电压	Operating voltage	100V

其他性能 Other Characteristics

工作温度	Operating temperature	-40℃ to 90℃
安装温度	Installation temperature	-20℃ to 60℃
卤酸气体	Acid Gas Release Mounts	≤5mg/g (IEC 60754-1)
燃烧气体 PH 值	Burning Occur Gas Acidity	PH≥4.3 (IEC 60754-2)
燃烧气体导电率	Burning Occur Gas conductivity	<10 μS/mm (IEC 60754-2)
烟密度	Smoke density	≥60%（IEC 61034-2）
阻燃性	Flame resistance	IEC 60332-3-22, IEC 60332-1-2
耐火	Fire resistance	IEC 60331-23
耐油	Oil resistance (SHF2)	IRM902, 100℃×24H
抗紫外线	UV resistance	UL1581
护套材料性能	The jacket material performance	IEC 60092-360
最小弯曲半径	Min.Bending radius	8xOD(OD=cable diameter)
重量	Weight	110±10 kg/km

This cable meets RoHS requirements.

Prepared by: J.Zhou	Checked by: CL.Wang	Approved by: SY.Xiang