# 船用同轴缆 Marine Coaxial cable

## RG 11 UFL SHF1

HF Flame Oil Cold UV

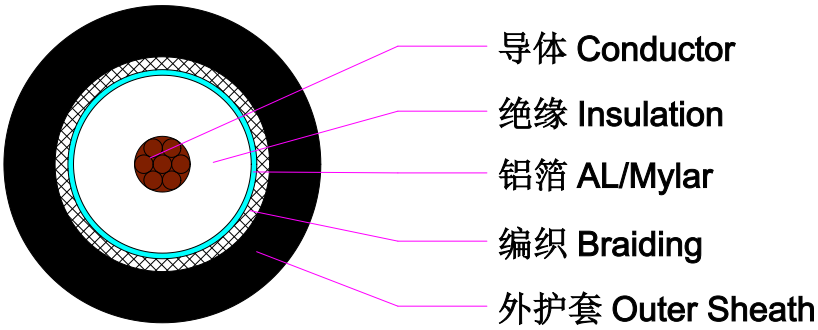


## 应用 Application

该电缆用于船舶和海上。The cable is used for ship and offshore .

产品符合 MIL C-17 或 MIL C-17F 标准。The product complying with MIL C-17 or MIL C-17F standard.

## 结构 Construction




| | | |
|---|---|---|
| 导体 Conductor | 镀锡铜导体（7x0.4mm） | Tinned copper wire（7x0.4mm） |
| 绝缘 Insulation | 实心 PE<br>OD：7.25±0.15mm | Solid PE<br>OD：7.25±0.15mm |
| 屏蔽 Shield | 铝箔 | AL/Mylar |
| 编织 Braiding | 镀锡铜编织，覆盖率≥96% | Tinned copper braiding，Coverage≥96% |
| 外护套 Outer Sheath | SHF1<br>颜色：黑色或定制<br>OD：10.3 ± 0.3mm | SHF1<br>Color ： Black or as customer's request<br>OD：10.3 ± 0.3mm |
| 印字 Marking | Hysin□MARINE□Cable□RG11□UFL□SHF1□IEC60332-3-22□****m□xxxxxx□WW/YY<br>注：□ 表示空格；****m 表示计米；xxxxxx 表示批号;WW/YY 表示周数/年份<br>Note：□ means blank；****m means meters；xxxxxx means batch number；WW/YY means week/year | |

## 电气性能 Electrical Characteristics（20℃）

| | | |
|---|---|---|
| 阻抗 | Impedance | 75±3Ω |
| 电容 | Capacitance | 67 pF/m |
| 传播速率 | Propagation velocity | ≥60 % |
| 绝缘电阻 | Insulation resistance | 10000 MΩ.km |
| 耐压试验 | Test Voltage | 2 KV DC/min |

## 传输性能 Transmission Characteristics（20℃）

| 频率 Frequency (MHZ) | 衰减 Attenuation (@20℃ dB/100m) | 频率 Frequency (MHZ) | 衰减 Attenuation (@20℃ dB/100m) |
|---|---|---|---|
| 50 | 4.20 | 1350 | / |
| 100 | 6.10 | 1500 | 31.0 |
| 200 | / | 1750 | 36.0 |
| 300 | 11.8 | 2150 | 40.2 |
| 500 | 16.0 | 2250 | / |
| 600 | / | 2500 | 42.4 |
| 800 | 21.4 | 2750 | / |
| 1000 | 24.3 | 3000 | 49.0 |
| 回波损耗 Return loss dB（MHZ） | | | |
| 5—1000 | ≥20 | | |
| 1000—2000 | ≥18 | | |
| 2000—3000 | ≥16 | | |
| 屏蔽效能 Screening effectiveness dB（MHZ） | | | |
| 5—1000 | ≥75 | | |
| 1000—2000 | ≥65 | | |
| 2000—3000 | ≥55 | | |

## 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 |
| 耐油 | Oil resistance (SHF1) | IRM902, 70℃×4H |
| 抗紫外线 | UV resistance | UL1581 |
| 氧指数 | Oxygen Index | ASTM-D2863-23（≥30%） |
| 冷弯曲 | Cold bend test | EN 50288-1（-52℃） |
| 爆炸性环境 | Explosive atmospheres | IEC 60079-14 |
| 弯曲半径 | Bending radius | 8xOD(OD=cable diameter) |
| 护套材料性能 | The jacket material performance | IEC 60092-360 |

This cable meets RoHS requirements

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