# 船用同轴缆 Marine Coaxial cable

HF Flame Oil Cold UV

## RG 6 UFL SHF2

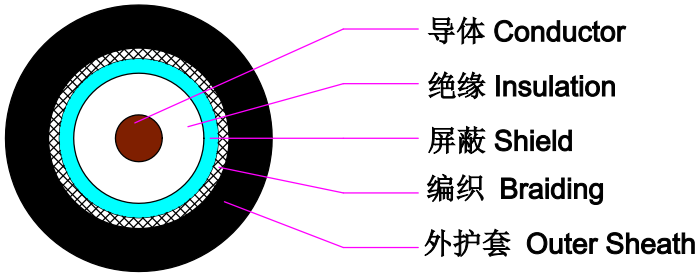


## 应用 Application

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 | 裸铜（1.02mm） | Bare copper wire （1.02mm） |
| 绝缘 Insulation | 发泡 PE<br>OD：4.57±0.15mm | Foamed PE<br>OD：4.57±0.15mm |
| 屏蔽 Shield | 铝箔 | Al/polyester tape |
| 编织 Braiding | 镀锡铜丝编织，覆盖率≥96% | Tinned copper wire braiding，coverage≥96% |
| 外护套 Outer Sheath | SHF2<br>颜色：黑色或定制<br>OD：7.3 ± 0.3mm | SHF2<br>Color ： Black or as customer's request<br>OD：7.3 ± 0.3mm |
| 印字 Marking | Hysin□MARINE□Cable□RG6□UFL□SHF2□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 | 54 pF/m |
| 传播速率 | Propagation velocity | ≥75 % |
| 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 | 5.25 | 1350 | 25.22 |
| 100 | 8.10 | 1500 | 26.85 |
| 200 | 10.20 | 1750 | 28.67 |
| 300 | 11.64 | 2150 | 31.91 |
| 500 | 15.10 | 2250 | 32.81 |
| 600 | 16.34 | 2500 | 35.20 |
| 800 | 19.00 | 2750 | 37.30 |
| 1000 | 21.49 | 3000 | 38.70 |
| 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 (SHF2) | IRM902, 100℃×24H |
| 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 |
| 重量 | Weight | 65±5 kg/km |

This cable meets RoHS requirements

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