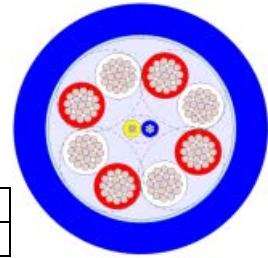


CRE15358



| Issue | Date | Approved | Note |
|-------|----------|----------|-----------------|
| 1 | 18/11/15 | PM | Initial release |

DESCRIPTION

4x2xAWG 16 + 1x2Xawg18 composite for use in marine applications.

Product Details (Insulated Cores)

| Component Description | Qty | Conductor Stranding | Nom DCR @ 20oC [Ω /Km] | Weight [Kgs/Km] | Nominal Diameter [mm] |
|-----------------------|-----|---------------------|--------------------------------|-----------------|-----------------------|
| AWG16 Insulated Cores | 8 | 19/0.3mm TC | 15.8 | 14.4 | 1.87mm |
| AWG28 Insulated Cores | 2 | 7/0.127mmTC | 210.0 | 1.4 | 0.7mm |

CONSTRUCTION

AWG16 Twisted Pairs (4 off)

| | |
|------------|--|
| Colours | White / Red |
| Insulation | ETFE |
| Diameter | 1.87mm |
| Twin | 50mm Left Hand lay |
| Standard | Def Std. 61/12 Part19/1, -75c to +135c |

AWG28 Twisted Pair (1 off)

| | |
|------------|------------------------------------|
| Colours | Yellow / Blue |
| Insulation | ETFE |
| Diameter | 0.7mm |
| Twin | 25mm Left Hand lay |
| Standard | MIL 22759/16 Type Z, -75c to +135c |

Cable Assembly

| | |
|-----------------------|--|
| Cable Lay-up | 1xAWG28 TP + 4xAWG16TP |
| Barrier | Polyester Fibre Tape >100% Coverage |
| Outer Sheath | HF Polyurethane 85 Shore A Hardness |
| Colour | Blue - RAL5015 or other colour as required |
| Radial Wall Thickness | 1.10mm nominal |
| Diameter | 10.0mm +/-0.3mm |

CABLE CHARACTERISTICS

| | |
|-----------------------|----------------|
| Operating Temperature | -40°C to +80°C |
| Cable Weight in Air | 171 Kgs/Km |
| Cable Weight in Water | 88 Kgs/Km |
| Bend Radius Static | 5 X Diameter |
| Bend Radius Dynamic | 10 X Diameter |