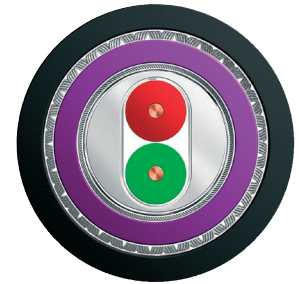


Armada[®] Profibus DP Offshore Cable SHF-1 UV

Cable Design

| | |
|---------------------|---|
| Conductor | Solid Bare Cu-wire, 1/0,65mm (22awg) |
| Diameter | 0,65 mm |
| Insulation | Foamed Polyethylene (PE) with skin |
| Diameter | Ø 2,55 mm |
| Cable Core | 2 cores twisted to a pair, Red and Green |
| Tape | Plastic tape, overlapped |
| EasyStrip Jacket | Thermoplastic copolymer, Ø 5,4 mm |
| Screen | Alulamine foil overlapped, applied longitudinally |
| Shield | Tinned copper wire braid 0.15 mm wires (35 AWG) coverage 55 % |
| Inner Jacket | Violet LSZH FireFighter [®] |
| Diameter | Ø 8,0 ± 0,40 mm |
| Armour | DataGuard [®] Galvanised Steel Wire Braid (GSWB) |
| Outer Jacket | LSZH FireFighter [®] SHF-1, UV-resistant |
| Diameter | Ø 11,60 ± 0,80 mm |
| Weight | 224 kg/km |



Application

Fixed installation on and below deck of commercial ships and offshore units. The cables meet the technical requirements of IEC 60092.

Standards

| | |
|--------------------|---|
| Flamability Rating | IEC 60332-1-2, IEC 60332-3-24, IEC 60754-1/2, IEC 61034 |
|--------------------|---|

Specification

| Part Number | Outer Jacket Colour |
|----------------------|---------------------|
| 24L45467-G16-C286-01 | Black |
| 24L45467-G16-C286-02 | Blue |
| 24L45467-G16-C286-09 | Violet |

Electrical Data @ 20° C

| | | | | |
|-------------------------------------|------------------|---|----------|---------|
| Loop resistance | | ≤ | 110 | Ohm/km |
| Screen resistance | | ≤ | 9,5 | Ohm/km |
| Insulation resistance | | ≥ | 16 | GOhm*km |
| Characteristic Impedance | 3-20 MHz | | 150±15 | Ohm |
| | 31,25 - 38,4 kHz | | 185±18,5 | Ohm |
| | 9,6 kHz | | 270±27 | Ohm |
| Attenuation | 16 MHz | ≤ | 42 | dB/100m |
| | 4 MHz | ≤ | 22 | dB/100m |
| | 38,4 kHz | ≤ | 4 | dB/100m |
| | 9,6 kHz | ≤ | 2,5 | dB/100m |
| Inductance (31,25 kHz) | | ≈ | 1000 | μH/km |
| Capacitance (1 kHz) | | ≈ | 28,5 | nF/km |
| Unbalance to ground | | ≤ | 1500 | pF/km |
| Operating voltage (effective value) | | ≤ | 100 | V |
| UL-Rating | | | 600 | V |
| Rel. Velocity of Propagation | | ≈ | 81 | % |
| Test Voltage (DC 3 sec) | | = | 3600 | V |

Mechanical & Thermal Characteristics

| | | | |
|---------------------|----------|------------|-----|
| Temperature range | | -25 to +80 | °C |
| Min. Bending Radius | repeated | 10 | x Ø |
| | single | 5 | x Ø |