

AIAU UNI SHF2 MUD

4 - 12 fibres, tight buffer

Non metallic

SHF2 MUD, UV

DNV

Application

Compact and tough fibercable, mechanically strong and waterproof, absolutely immune against electromagnetic or electrical disturbances in its environment. It is ideal for communication and data transmission in harsh environments as shipboard- and offshore installations close to electrical machinery and power lines also suitable for onshore use. The cable can be buried in the ground as it is rodent- and moisture protected. Outer jacket SHF2 MUD-resistant.



Construction Fiber

| | |
|-----------------|--|
| Fibertype | MM or SM |
| Colorcode fiber | TIA / EIA 598 1 - Blue 7 - Red 2 - Orange 8 - Black 3 - Green 9 - Yellow 4- Brown 10 - Purple 5 - Grey 11 - Pink 6 - White 12 - Turquoise |
| Fiber tube | Tight buffer |
| Strength member | Reinforced fibreglass yarns (WB) |
| Inner jacket | Thermoplastic |
| Armour | Fiberglass braid |
| Jacket | Black SHF2 MUD-resistant |

Specifications fiber

| | |
|-------------------|--|
| Temperature range | -40 – +90 [°C] (IEC 60794-1-22 F1) |
| Crush resistance | 1500 [N/10cm] (IEC 60794-1-21 E3) |
| Bending radius | 20 [x outer diam] (IEC 60794-1-21 E11) |

Norms

| | |
|--|---------------------------|
| Halogenfree, max content corrosive and toxic gases | IEC 60754-1 & IEC 60754-2 |
| Flame retardant | IEC 60332-1 & IEC 60332-3 |
| Smoke emission | IEC 61034-2 |
| UV-resistant | ISO 4892-2-A: 720hours |
| Certification | DNV |

Part No.Fiber

| 62.5/125 | 50/125 OM2 | 50/125 OM3 | 50/125 OM4 | 9/125 |
|----------|------------|------------------------|-------------------------|--------------------|
| - | - | G4 50/125 OM3: 9000100 | G4 50/125 OM4: 9000200 | G4 9/125: 9000300 |
| - | - | G8 50/125 OM3: 9000101 | G6 50/125 OM4: 9000201 | G6 9/125: 9000301 |
| - | - | - | G8 50/125 OM4: 9000202 | G8 9/125: 9000302 |
| - | - | - | G12 50/125 OM4: 9000203 | G12 9/125: 9000303 |

| No. fibres | Tensile load perm / inst [N] | Outer diam. [mm] | Weight [kg/km] |
|------------|------------------------------|------------------|----------------|
| 2 | 600 / 1100 | 9.2 ± 0.3 | 97 |
| 4 | 600 / 1100 | 9.5 ± 0.3 | 102 |
| 6 | 700 / 1250 | 9.7 ± 0.3 | 108 |
| 8 | 700 / 1250 | 10.9 ± 0.3 | 135 |
| 12 | 800 / 1800 | 11.7 ± 0.3 | 154 |

Updated

| Date | Rev. | Description |
|------------|------|-----------------|
| 13.12.2024 | 1 | Additional info |