



AIAU MULTI SHF2 MUD

Tight buffer, up to 96 fibers

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 13 - Blue w/ black stripes |
| | 2 - Orange 14 - Orange w/ black stripes |
| | 3 - Green 15 - Green w/ black stripes |
| | 4- Brown 16- Brown w/ black stripes |
| | 5 - Grey 17 - Grey w/ black stripes |
| | 6 - White 18 - White w/ black stripes |
| | 7 - Red 19 - Red w/ black stripes |
| | 8 - Black 20 - Black w/ yellow stripes |
| | 9 - Yellow 21 - Yellow w/ black stripes |
| | 10 - Purple 22 - Purple w/ black stripes |
| | 11 - Pink 23 - Pink w/ black stripes |
| | 12 - Turquoise 24 - Turquoise w/ black stripes |
| Fiber tube | Tight buffer thermoplastic with numbers (see table) |
| Central element | GRP |
| Strength member | Aramid yarn |
| Armour | E-glass |
| Ripcord | Yes |
| Jacket | Black SHF2 MUD-resistant |
| Diameter | See table |
| Weight | See table |

Specifications fiber

| | |
|-------------------|--|
| Temperature range | -40 – +70 [°C] (IEC 60794-1-22 F1) |
| Tensile strength | 1100 / 2000 [N] (perm./inst.) |
| 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 |
| Test and material | IEC 60794-1-21 & IEC 60794-1-22 |
| MUD resistant | NEK TS 606 |
| UV-resistant | ISO 4892-2-A: 720hours |
| Certification | DNV |



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|----------|---------------------|
| Prod.no. | 9000204 (24-fibers) |
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Dimension

| Fibres | Fibre per tube | Total / Active tubes | Outer diameter [mm] | Weight [kg/km] |
|--------|----------------|----------------------|---------------------|----------------|
| 24 | 4 | 4 / 6 | 13.8 | 187 |
| 48 | 12 | 12 / 4 | 16.8 | 240 |
| 96 | 12 | 12 / 8 | 23.3 | 398 |

Updated

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