



# 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