



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



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