



# AICI Multi SHF1

24 - 48 tight buffer

Armoured

SHF1, UV

DNV

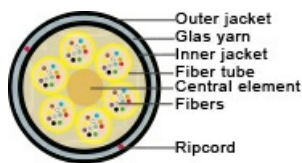
## Application

Compact and tough fibercable, ideal for communication and data transmission in harsh environments as shipboard- and offshore installations. The cable can be buried in the ground as it is rodent- and moisture protected.



## Construction Fiber

Fibertype	OM1, OM2, OM3, OM4 or OS2
Central element	Dielectric GPR
Sub unit sheath	LSZH material $\Delta E = 2.0$ [mm]
Colorcode fiber	TIA / EIA 598
Fiber tube	Tight buffer thermoplastic with numbers
Sub cable element jacket	LSZH
Strength member	Aramid yarn
Inner jacket	LSZH compound
Armour	Galvanized steel wire braid
Jacket	Black SHF1



## Specifications fiber

Temperature range	-40 – +80 [°C] (IEC 60794-1-22 F1)
Temperaturerange at inst.	-10 – +60 [°C] (IEC 60794-1-22 F1)
Temperaturrange storage	-40 – +80 [C°] (IEC 60794-1-22 F1)
Tensile strength	36 fibers: 1650 / 2950 [N] perm. / inst. 48 fibers: 2300 / 4000 [N] perm. / inst.
Crush resistance	1500 [N/10cm] (IEC 60794-1-21 E3)
Bending radius installed	15 [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
CPR classification	Dca-s2,d2,a1
DoP No.:	DOP02350
Certification	DNV

## Dimensjon

No. of fibres	Tens. load perm. / inst. [N]	Fibre per tube	Total / Active tubes	Diameter [mm]	Weight [kg/km]
24	1200 / 2150	4	6 / 6	15.3 ± 0.5	241
32	1500 / 2700	8	8 / 8	17.2 ± 0.5	263
36	1650 / 2950	12	4 / 3	18.4 ± 0.5	288
48	23 / 4000	12	4 / 4	18.4 ± 0.5	288

## Updated

Date	Rev.	Description
08.05.2025	1	Additional info