

# AICI SHF2 MUD

**Tight buffer optical cable**  
**Steel wire braid armour**  
**SHF2 - MUD, UV**  
**DNV**

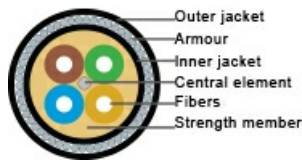
## Application

Optical fiber cable for industry environments. The cable is suitable for both indoor and outdoor use. Outer sheath of MUD-, UV-, oil- and weather resistant material. The 0,9mm tight buffer is easy to strip allowing fast and reliable splicing and connector mounting. Each fibre is color coded for easy identification. Outer jacket is marked to show fibre type and cable type.



## Construction Fiber

Fibertype	OM1, OM2, OM3, OM4 or OS2
Tight buffer fiber	Yes, (0.9mm)
No. of tight buffer fibers	2 to 12 fibers
Waterblock	Reinforced fiberglass yarns
Colorcode fiber	TIA/EIA 598 Blue      Brown Red      Purple Orange    Grey    Black    Pink Green      White    Yellow    Turquoise
Central element	≤ 4 fibers, yes
Inner jacket	Black Thermoplastic
Armour	Galvanized steel wire braid
Outer Jacket	Black SHF2 MUD-resistant



## Specifications fiber

Temperature range	-40 – +80 [°C]
Temperaturerange at inst.	-20 – +70 [°C]
Crush resistance	1500 [N]
Water penetration	Pass (3m / 1m / 24h)
Bending radius	20 [x outer diam]



## Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-1
Material properties, insulation and sheath	IEC 60092-359
Flame resistance	IEC 60332-3
Flame retardant	IEC 60332-1
Smoke emission	IEC 61034-1 & IEC 61034-2
MUD resistant	NEK TS 606
UV-resistant	ISO 4892-2-A: 720hours
Certification	DNV

No. fibres	Tensile load perm / inst [N]	Outer diam. [mm]	Weight [kg/km]
2	700 / 1250	9.0 ± 0.3	98
4	700 / 1250	9.3 ± 0.3	104
6	800 / 1450	9.5 ± 0.3	111
8	800 / 1450	10.7 ± 0.3	138
12	900 / 1600	11.5 ± 0.3	157

## Updated

Date	Rev.	Description
13.12.2024	1	Additional info