



AIAI Breakout SHF1

24 or 48 Tight buffer fibre

Non metallic

Rodent protected

SHF1, UV

DNV

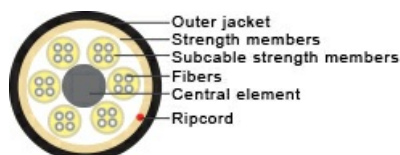
Application

Robust fiber cable, for indoor and outdoor use, gel free and easy to strip. The cable is rodent protected and can be buried in the ground. Outer jacket UV-resistant, SHF1 compound.



Construction Fiber

Fibertype	MM or SM
No. of tight buffer fibers	24 or 48
Central element	Dielectric GPR
Waterblock	Aramid yarn
Sub unit sheath	Thermoplastic , numbered
Subcable strength member	Fiberglass yarns
Colorcode fiber	TIA/EIA 598
Strength member	Reinforced fibreglass yarns (WB)
Ripcord	Yes
Jacket	Black SHF1 UV-resistant



Specifications fiber

Temperature range	-40 – +70 [°C] (IEC 60794-1-22 F1)
Temperaturerange at inst.	-30 – +70 [°C] (IEC 60794-1-22 F1)
Tensile strength	Operating: 3000 [N] Installation: 4000 [N] (IEC 60794-1-21 E1)
Crush resistance	1500 [N/10cm] (IEC 60794-1-21 E3)
Impact resistance	5 [J] (IEC 60794-1-21 E4)
Bending radius flexible	20 [x outer diam.] (IEC 60794-1-21 E11)
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
Certification	DNV

Dimension

Number of fibre	Outer diam [mm]	Weight [kg/km]
24	16.8 ± 0.5	230
48	21.5 ± 0.5	399

Updated

Date	Rev.	Description
31.03.2025	1	Additional info