

# AIAI Breakout

## Breakoutcable

4 – 24 single fiber members

SHF1

DNV

## Application

The separate fibers are tight buffered with aramid yarn and jacketed with numbered LSZH material. The cable is designed for ship- and offshore environments, where no extra protection is required. Also in use in industrial environments.



## Construction Fiber

Fiber tube	Tight buffer aramid yarn Ø = 2 mm, blue, numbered
Assembling	Assembled in concentric layer with syntetic tape around a central member
Jacket	Black SHF1 UV-resistant
Diameter	See table
Weight	See table
Jacket marking	AIAI breakout - FIBER OPTIC CABLE - [Fibre type and no. of fibres] - IEC 60332-3-22 - Lot No + meter marking

## Specifications fiber

Fiber type	Single mode 9/125, Multi mode 50/125 or 62/125
Temperature range flexible	-40 - +70 [°C]
Temperaturerange at inst.	-10 - +70 [°C]
Crush resistance	1000 [N/10cm] IEC 60794-1-2 E3
Bending radius installed	15 [x outer diam.]
Bending radius	10 [x outer diam.]

## Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-1 & IEC 60754-2
Material properties, insulation and sheath	IEC 60092-360
Flame resistance	IEC 60332-3-22 Cat.A
Flame retardant	IEC 60332-1-2
Weather resistant	IEC 60794-1-2
Smoke emission	IEC 61034-1 & IEC 61034-2
Certification	DNV



For armoured Breakout cable,  
see AIAI Breakout S and AIAI Breakout A with steel wire armour and aramid yarn protection respectively.

Number of fibre	Max. pulling force [N]	Outer diam. [mm]	Weight [kg/km]
4	500	6,8	45
6	1000	8,8	60
8	1500	9,8	90
12	2000	12,0	150
16	3000	12,6	165
24	4000	15,0	210

## Updated

Date	Rev.	Description
05.12.2016	1	Construction
11.04 2019	2	Additional technical information
26.02.2020	3	Norms