AlAl Breakout A

Breakoutcable
2 - 12 single fiber members
Aramid protection (armour)
SHF1
DNV

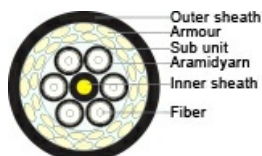## Application

The separate fibers are tight buffered with aramid yarn and jacketed with blue numbered LSZH material. An inner common jacket is protected by a layer of aramid yarn which protects the fibers against mechanical and heat impact, as well as rodent attacks. It is designed for safe communication and data transmission in shipboard- and offshore installations close to electrical machinery and power lines. It is also well suited for harsh 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 FRP central me
Inner jacket	Black LSZH compound
Armour	Aramid yarn , double layer
Jacket	Black SHF1 UV-resistant
Diameter	See table
Weight	See table

Outer sheath
Armour
Sub unit
Aramidyarn
Inner sheath
Fiber

Specifications fiber

Fiber type	Single mode 9/125, Multimode 50/125 or 62,5/125
Temperature range	-40 – +70 [°C]
Temperaturerange at inst.	-10 - +70 [°C]
Tensile strength	2000 [N] (Δα reversible) IEC 60794-1-2-E1
Crush resistance	4000 [N/10cm] (Δα reversible) IEC 60794-1-2-E3
Impact resistance	10 [J] (Δα reversible) IEC 60794-1-2-E4
Torsion	± 1 turns/m to IEC 60794-1-2E11
Bending radius flexible	15 [x outer diam.]
Bending radius installed	10 [x outer diam.]

Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-1 & IEC 60754-2
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

NEK Breaoutcable is also available with Steel wire armour, AlAl Breakout S
or without armour, AlAl Breakout.

Number of fibre	Nom.thickness [mm]	Nom.diameter [mm]	Weight [kg/km]
2	1,0	8,0	55
4	1,0	8,0	55
6	1,0	9,2	70
8	1,0	10,8	95
12	1,2	13,5	165

Updated

Date	Rev.	Description
24.04.2018	1	Construction
April 2019	2	Additional technical information