

BFOU (c)

Ship installation 0,6/1 kV

Fire resistant

MUD, SHF2, LSZH

DNV

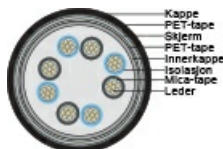
Application

Fixed installation for instrumentation, communication, control and alarm systems in both EX and safe areas, emergency and critical systems where requirement for fire resistance exists. Meets the MUD resistance requirement in NEK TS 606.



Construction

Conductor	Stranded Tinned Cu class 2 (IEC 60228)
Filler	Micatape
Insulation	EP-gummi (IEC 60092-351) EPR
Colour code	Pair: black - blue Triple: black - blue - brown Quad: black - blue - brown - grey
Inner jacket	LSZH ompunnet med PET-tape
Screen	Tinned Cu-braid covered with PET-tape
Outer Jacket	Black or grey LSZH material MUD- and UV resistant (SHF2)



Specifications

Operating temperature normal	-40 til +70 [°C]
Temperature @ installation	-20 to +50 [°C]
Max. conductor temp.	+90 [°C]
Operating voltage	150/250 (300)
Max. load at installation	50 [N/mm ²]
Min. bending radius installed	6 [x outer diam]
Min. bending radius @ installation	8 [x outer diam]



Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-1 & IEC 60754-2
Design and testing standards	IEC 60092-376 (2005-05)
Flame retardant	IEC 60332-1
Fire resistant	IEC 60331-1, -2, -21
Conductor	IEC 60228 cl.2
Smoke emission	IEC 61034-1 & IEC 61034-2
Insulation	IEC 60092-351
MUD resistant	NEK TS 606
Certification	DNV, ABS, BV



Core (mm ²)	O.D. (mm)	Weight (kg/km)
2 x 2 x 0.75	14,5 ± 0,8	340
4 x 2 x 0.75	16,0 ± 0,8	450
8 x 2 x 0.75	20,5 ± 1,0	680
12 x 2 x 0.75	24,0 ± 1,0	930
16 x 2 x 0.75	26,5 ± 1,0	1180
19 x 2 x 0.75	28,0 ± 1,0	1330
24 x 2 x 0.75	32,5 ± 1,5	1700
2 x 2 x 1.5	16,5 ± 0,8	450
4 x 2 x 1.5	19,0 ± 0,8	600
8 x 2 x 1.5	24,5 ± 1,0	1000
12 x 2 x 1.5	28,5 ± 1,0	1360
16 x 2 x 1.5	31,5 ± 1,5	1760
2 x 2 x 2.5	18,0 ± 0,8	530
4 x 2 x 2.5	20,5 ± 1,0	740
8 x 2 x 2.5	27,0 ± 1,0	1230
16 x 2 x 2.5	36,0 ± 1,5	2410
24 x 2 x 2.5	44,0 ± 2,0	3480
2 x 3 x 0.75	15,5 ± 0,8	400
4 x 3 x 0.75	18,0 ± 0,8	540
8 x 3 x 0.75	23,0 ± 1,0	870
12 x 3 x 0.75	27,0 ± 1,0	1180
16 x 3 x 0.75	30,5 ± 1,5	1580
24 x 3 x 0.75	37,0 ± 1,5	2350
2 x 3 x 1.5	18,5 ± 0,8	540
4 x 3 x 1.5	21,0 ± 0,8	760
8 x 3 x 1.5	27,0 ± 1,0	1280
12 x 3 x 1.5	32,0 ± 1,0	1770
16 x 3 x 1.5	37,0 ± 1,5	2560
24 x 3 x 1.5	45,0 ± 2,0	3610
4 x 3 x 2.5	23,0 ± 1,0	940
8 x 3 x 2.5	30,0 ± 1,5	1620
16 x 3 x 2.5	41,5 ± 2,0	3280