

TEXILine HF90D



Application:

DNV-GL-approved 1,5 to 240mm² double insulated 1kV cable for use in shipboard and offshore distribution panels and switchboards. The cable can be used as a short circuit proof connection. TEXILine HF90D has a smooth surface and flexible tinned Cu class 5 conductor that provides excellent installation properties.

Properties:

Temperature rating DNVGL +90°C
Voltage Rating U₀/U 0,6/1kV

Standards:

Conductor IEC 60228,5
Construction IEC 60092-353
Halogen free IEC 60754-1, -2
Smoke density IEC 61034-1, -2
Flame retardant IEC 60332-1-2

Approval

DNV-GL TAE00002XB
CE acc 2014/35/EU

Construction

Conductor	Class 5 flexible, tinned, copper
Insulation	Halogen free, cross-linked and flame retardant special compound
Marking	Amokabel TEXILine HF90D <size> IEC 60092-353 1kV DNVGL YYWW
Minimum bending radius, fixed installation	OD x 4
Colour	Customer specified

Type code	Conductor	Number of wires	Wire diameter	Nominal outer diameter	Current rating continuous	Max conductor	Total weight
	Cross-section				load @45°C ambient	resistance	
	[mm ²]	[pcs]	[mm]	[mm]	DNVGL-RU-SHIP Pt.4 Ch.8 Sec.2 table 6	@20°C, tinned Cu	[kg/km]
TEXILine HF90D	1,5	27-32	0,23-0,25	4,3	23	13,700	35
TEXILine HF90D	2,5	45-54	0,23-0,25	4,8	30	8,210	45
TEXILine HF90D	4	50	0,3	5,3	40	5,090	60
TEXILine HF90D	6	74-75	0,3	5,9	52	3,390	80
TEXILine HF90D	10	72-75	0,4	6,8	72	1,950	125
TEXILine HF90D	16	115-118	0,4	7,8	96	1,240	190
TEXILine HF90D	25	182-189	0,4	9,9	127	0,795	295
TEXILine HF90D	35	259-266	0,4	11,4	157	0,565	390
TEXILine HF90D	50	364-378	0,4	13,4	196	0,393	545
TEXILine HF90D	70	525-539	0,4	15,6	242	0,277	760
TEXILine HF90D	95	672-684	0,4	17,5	293	0,210	915
TEXILine HF90D	120	570	0,5	19,3	339	0,164	1 190
TEXILine HF90D	150	703	0,5	21,9	389	0,1320	1 530
TEXILine HF90D	185	825-851	0,5	24,5	444	0,1080	1 810
TEXILine HF90D	240	1070-1862	0,4-0,5	29,4	522	0,0817	2 420

Current rating correction factors for ambient temp other than 45°C per DNVGL-RU-SHIP Pt.4 Ch.8 Sec.2 table 10