

TEXILine HF90D



Application:

DNV-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 DNV	+90°C
Temperature rating UL	+105°C
Voltage Rating U ₀ /U	0,6/1kV

Standards:

Conductor	IEC 60228,5 / UL 1581
Construction	IEC 60092-353 / UL 758
Halogen free	IEC 60754-1, -2
Smoke density	IEC 61034-1, -2
Flame retardant	IEC 60332-1-2 / FT2

Approval

DNV TAE00002XB	
CE acc 2014/35/EU	
UL30083	1,5-240mm ²

Construction							
Conductor	Class 5 flexible, tinned, copper						
Insulation	Halogen free, cross-linked and flame retardant special compound						
Marking	Amokabel TEXILine HF90D - DNV - <size> - 1kV - YYWW E164256 "UR logo" AWM <UL style> 105C "cUR logo" AWM I A 105C 1000V FT2						
Minimum bending radius, fixed installation	OD x 4						
Colour	Customer specified						
Type code	Conductor Cross-section	Number of wires	Wire diameter	Nominal outer diameter	Current rating continuous load @45°C ambient DNV-RU-SHIP Pt.4 Ch.8 Sec.2 table 6	Max conductor resistance @20°C, tinned Cu	Total weight
	[mm ²]	[pcs]	[mm]	[mm]	[A]	[Ω/km]	[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 DNV-RU-SHIP Pt.4 Ch.8 Sec.2 table 10