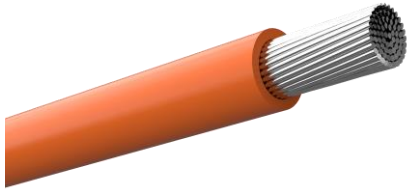


## TEXILine HF90



### Properties:

Temperature rating DNV	+90°C
Voltage Rating Uo/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

### Application:

DNV-GL-approved 1 to 240mm<sup>2</sup> single insulated 1kV cable for use in shipboard and offshore distribution panels and switchboards. TEXILine HF90 has a smooth surface and flexible tinned Cu class 5 conductor that provides excellent installation properties. Available in 12 different standard colours. Others on request.

### Approval

DNV TAE000026Z	
CE acc 2014/35/EU	
UL 3992	1-6mm <sup>2</sup>

### Construction

Conductor	Class 5 flexible copper, plain or tinned
Insulation	Halogen free, cross-linked and flame retardant special compound
Marking	Amokabel TEXILine HF90 <size> IEC 60092-353 1kV DNVGL YYWW
Minimum bending radius, fixed installation	OD x 4
Colour	Customer specified

Type code	Conductor Cross-section [mm <sup>2</sup> ]	Number of wires [pcs]	Wire diameter [mm]	Nominal outer diameter [mm]	Current rating continuous load @45°C ambient DNVGL-RU-SHIP Pt.4 Ch.8 Sec.2 table 6 [A]	Max conductor resistance @20°C, tinned Cu [Ω/km]	Total weight [kg/km]
TEXILine HF90	1	29-32	0,19-0,2	2,7	18	20,000	15
TEXILine HF90	1,5	27-32	0,23-0,25	2,9	23	13,700	20
TEXILine HF90	2,5	45-54	0,23-0,25	3,4	30	8,210	30
TEXILine HF90	4	50	0,3	3,9	40	5,090	45
TEXILine HF90	6	74-75	0,3	4,5	52	3,390	65
TEXILine HF90	10	72-75	0,4	5,4	72	1,950	105
TEXILine HF90	16	115-118	0,4	6,4	96	1,240	170
TEXILine HF90	25	182-189	0,4	8,1	127	0,795	260
TEXILine HF90	35	259-266	0,4	9,6	157	0,565	345
TEXILine HF90	50	364-378	0,4	11,4	196	0,393	485
TEXILine HF90	70	525-539	0,4	13,4	242	0,277	685
TEXILine HF90	95	672-684	0,4	15,3	293	0,210	835
TEXILine HF90	120	570	0,5	16,9	339	0,164	1090
TEXILine HF90	150	703	0,5	19,1	389	0,1320	1400
TEXILine HF90	185	825-851	0,5	21,3	444	0,1080	1650
TEXILine HF90	240	1070-1862	0,4-0,5	25,8	522	0,0817	2200

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

