



## CABLE STRUCTURE

Conductor	Electrolytic, stranded, annealed copper wire IEC 60228 Class 2 (Class 5 and / or tinned on request)
Insulation	Cross linked polyethylene compound (XLPE).
Inner	Separating foil and / or halogen-free compound
Covering	Copper / polyester tape coverage 100% and copper wire braided
Screen	screen min.coverage 90% (Tinned copper wire braid on request)
Outer sheath	Halogen-free, flame retardant, UV resistant, polyolefin based compound (SHFI).
Color	Black or Grey

## STANDARDS & MAIN CHARACTERISTICS

Construction	IEC 60092 / 353
Tests And Material	IEC 60092 / 350-360
Flame Retardant	IEC 60332 / 1-2, IEC 60332 / 3-22 Cat A
Halogen Content	IEC 60754 / 1-2
Smoke Emission	IEC 61034 / 1-2 (DIN EN 50268 / 1-2)
Ozone Resistance	IEC 60811 / 403
Shielding Effectiveness (For Emc Types)	DIN EN 50147-1
Working Temperature	-40°C / + 90°C
Min. Bending Radius (fixed)	6 x D
Rated Voltage	1,8 / 3 (3,6) kV
Test Voltage	6,5 kV
UV and Sunlight Resistance	EN 50289-4-17 A&B, ISO 4892-2&3

Minimum recommended installation temperature -15°C

For core identification, diameter tolerances and current ratings etc. see technical information section

### Application

Used as fixed installation cables in various electromechanical and electronic equipments. Due to its' overall screen the electromagnetic interference is minimized. It can be used as motor supply cable and for frequency converters controlled low voltage AC drives on ships, called VDF (Variable Frequency Drivers) applications.



Halogen  
Free



Low Smoke  
Density



Flame  
Retardant



Rated  
Voltage



Test  
Voltage



Working  
Temperature



Bending  
Radius



No  
Corrosivity

Cross Section (mm <sup>2</sup> )	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min. Bending Radius Fixed Installed (mm)	Max Resistance of Conductors at 20°C (ohm / km)	Current Carrying Capacity at 45°C (A)
1x10	13,0	295	78	1,83	72
1x16	14,6	412	88	1,15	96
1x25	15,7	512	95	0,727	127
1x35	17,2	630	103	0,524	157
1x50	18,5	790	111	0,387	196
1x70	20,2	1022	121	0,268	242
1x95	22,3	1324	134	0,193	293
1x120	23,8	1585	143	0,153	339
1x150	25,7	1980	154	0,124	389
1x185	27,8	2315	167	0,0991	444
1x240	30,4	2920	183	0,0754	522
3x16 + 3x6	27,5	1412	165	1,15	67
3x25 + 3x6	31,0	1835	186	0,727	89
3x35 + 3x6	34,0	2295	204	0,524	110
3x50 + 3x10	38,4	3014	230	0,387	137
3x70 + 3x16	41,2	3810	247	0,268	169
3x95 + 3x16	47,0	4920	282	0,193	205
3x120 + 3x25	50,4	5870	303	0,153	237
3x150 + 3x25	53,6	6804	322	0,124	272
3x185 + 3x35	59,4	8452	357	0,0991	311
3x240 + 3x50	64,8	10840	389	0,0754	365