



## CABLE STRUCTURE

<b>Conductor</b>	Electrolytic, stranded, annealed sector shaped copper wire to IEC 60228 Class 5 SM (Tinned on request)
<b>Fire Barrier</b>	Mica tape.
<b>Insulation</b>	Cross linked polyethylene compound (XLPE).
<b>Inner Covering</b>	Separating foil
<b>Outer Sheath</b>	Halogen-free, flame retardant and fire resistant, UV resistant, thermoplastic polyolefin based compound (SHFI).
<b>Color</b>	Orange or Green or Black.

## 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
Fire Resistance	IEC 60331 / 21, IEC 60331 / 1-2
Halogen Content	IEC 60754 / 1-2
Smoke Emission	IEC 61034 / 1-2 (DIN EN 50268 / 1-2)
Ozone Resistance	IEC 60811 / 403
Working Temperature	-40°C / +90°C
Min. Bending Radius (fixed)	For cables D ≤ 25 mm 4xD For cables D > 25 mm 6xD
Rated Voltage	0,6 / 1kV(1,2 kV)
Test Voltage	3,5 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 on marine vehicles as fixed installation cables of various electromechanical and electronic equipments, where sustainable connection during fire is required.



Halogen Free



Low Smoke Density



Flame Retardant



Rated Voltage



Test Voltage



Working Temperature



Bending Radius



No Corrosivity

Cross Section (mm <sup>2</sup> )	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)
3x35	22,4	1150	134	0,554	107
3x50	26,6	1600	160	0,386	137
3x70	30,3	2200	182	0,272	168
3x95	32,8	2865	197	0,206	201
3x120	38,6	3660	232	0,161	233
3x150	42,3	4445	254	0,129	268
3x185	47,2	5525	284	0,106	303
3x240	52,6	7110	316	0,0801	356
4x35	26,2	1525	158	0,554	107
4x50	30,1	2115	181	0,386	137
4x70	35,0	2900	210	0,272	168
4x95	38,2	3775	230	0,206	201
4x120	43,7	4850	263	0,161	233
4x150	46,8	5850	281	0,129	268
4x185	52,2	7275	314	0,106	303
4x240	57,7	9365	347	0,0801	356

(\*) Cable diameter tolerances are  $\pm 7\%$