



## CABLE STRUCTURE

<b>Conductor</b>	Electrolytic, stranded, annealed sector shaped copper wire to IEC 60228 Class 5 (Tinned on request)
<b>Insulation</b>	Cross linked polyethylene compound (XLPE).
<b>Inner Covering</b>	Separating foil.
<b>Screen</b>	Electrolytic copper braided screen (90% coverage). (Tinned copper wire braid on request)
<b>Outer Sheath</b>	Halogen-free, flame retardant, UV resistant, polyolefin based compound (SHFI).
<b>Color</b>	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
Temperature Range	-40°C / + 90°C
Min. Bending Radius (fixed)	8 x D
Rated Voltage	0,6 / 1 kV(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 as fixed installation cables in various electromechanical and electronic equipments of marine vehicles, in most areas & open deck in ships. Due to its' overall screen the electromagnetic interference is minimized.



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	22,6	1275	181	0,554	107
3x50	26,8	1740	215	0,386	137
3x70	30,5	2425	244	0,272	168
3x95	33,2	3050	266	0,206	201
3x120	39,2	3970	314	0,161	233
3x150	43,0	4845	344	0,129	268
3x185	47,8	5806	383	0,106	303
3x240	53,2	7662	426	0,0801	356
4x35	26,3	1655	211	0,554	107
4x50	30,2	2240	242	0,386	137
4x70	35,0	3160	280	0,272	168
4x95	38,7	4085	310	0,206	201
4x120	43,0	5140	344	0,161	233
4x150	47,3	6255	378	0,129	263
4x185	52,7	7565	422	0,106	303
4x240	58,1	9990	465	0,0801	356

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