CABLE STRUCTURE

Conductor	Electrolytic, stranded, annealed sector shaped copper wire to IEC 60228 Class 5 SM (Tinned on request)
Insulation	Cross linked polyethylene compound (XLPE).
Inner Covering	Separating foil.
Outer Sheath	Halogen-free, flame retardant, UV resistant, polyolefin based compound (SHF 1).
Color	Black or Grey.

STANDARDS & MAIN CHARACTERISTICS

Construction	IEC 60092 / 353
Tests And Material	IEC 60092 / 350-360
Flame Retardant Halogen	IEC 60332 / 1, IEC 60332 / 3-22 Cat A
Content	IEC 60754 / 1-2
Smoke Emission	IEC 61034 / 1-2 (DIN EN 50268 / 1-2)
Ozone Resistance Working	IEC 60811 / 403
Temperature Min. Bending	-40°C / + 90°C
Radius (fixed)	For cables D ≤ 25 mm 4xD For cables D > 25 mm 6xD
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 & on open deck in ships.

Cross Section (mm^2)	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	21,2	1125	128	0,554	107
3x50	25,6	1575	154	0,386	137
3x70	29,1	2240	175	0,272	168
3x95	31,8	2845	191	0,206	201
3x120	37,4	3640	225	0,161	233
3x150	41,3	4415	248	0,129	268
3x185	46,0	5350	276	0,106	303
3x240	51,5	7150	309	0,0801	356
4x35	25,1	1495	151	0,554	107
4x50	28,8	2045	173	0,386	137
4x70	33,7	2960	203	0,272	168
4x95	37,0	3760	222	0,206	201
4x120	41,3	4795	248	0,161	233
4x150	45,5	5795	273	0,129	268
4x185	51,0	7050	306	0,106	303
4x240	56,3	9420	338	0,0801	356

(*) Cable diameter tolerances are ± 7 %