



CABLE STRUCTURE

Conductor	Electrolytic, stranded, annealed copper wire IEC 60228 Class 2 (Class 5 and / or tinned on request)
Conductor Screen	Semiconductive layer
Insulation	HF HEPR Compound
Insulation Screen	Semiconductive layer
Core Screen	Copper Tape
Bedding	Halogen-free bedding compound
Screen	Electrolytic copper braided screen (90% coverage) (Tinned copper wire braid on request)
Outer Sheath	Halogen-free, flame retardant, UV resistant polyolefin compound, SHF 1 (SHF2 on request)
Color	Red

STANDARDS & MAIN CHARACTERISTICS

Construction	IEC 60092 / 354
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)	For Single Core Cables 12 x D For 3 Core Cables 9 x D
Rated Voltage	3,6 / 6 kV
Test Voltage	12,5 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

Medium Voltage power distribution, electric power transport between the engine room generator and electrical machines. Used as fixed installation cables in various electromechanical and electronic equipments. 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 ²)	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)
1 x 10	19,4-22,3	610	268	1,83	72
1 x 16	20,3-23,5	710	282	1,15	96
1 x 25	21,5-24,9	855	298	0,727	127
1 x 35	23,0-26,7	1000	320	0,524	157
1 x 50	23,9-27,7	1160	332	0,387	196
1 x 70	25,4-29,4	1400	352	0,268	242
1 x 95	27,3-31,6	1720	379	0,193	293
1 x 120	28,8-33,4	2020	400	0,153	339
1 x 150	30,7-35,6	2330	415	0,124	389
1 x 185	33,0-38,2	2780	458	0,0991	444
1 x 240	35,9-41,5	3530	498	0,0754	522
1 x 300	38,6-44,7	4250	536	0,0601	601
3 x 10	35,1-40,6	1950	365	1,83	50
3 x 16	36,9-42,7	2275	384	1,15	67
3 x 25	39,8-46,0	2770	414	0,727	89
3 x 35	43,4-50,2	3330	451	0,524	110
3 x 50	45,3-52,4	3875	472	0,387	137
3 x 70	48,7-56,4	4710	508	0,268	159
3 x 95	52,8-61,1	5850	550	0,193	205
3 x 120	56,3-65,2	6900	586	0,153	237
3 x 150	60,8-70,3	8050	632	0,124	272
3 x 185	64,6-74,8	9500	673	0,0991	311
3 x 240	70,3-81,3	11915	732	0,0754	365
3 x 300	76,2-88,3	14500	794	0,0601	421