



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, 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)
Ozon Resistance	IEC 60811 / 403
Shielding Effectiveness (For Emc Type)	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	6 / 10 kV
Test Voltage	21 kV

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 16	22,0-25,5	810	306	1,15	96
1 x 25	23,4-27,1	970	325	0,727	127
1 x 35	24,7-28,6	1110	343	0,524	157
1 x 50	25,8-29,9	1280	358	0,387	196
1 x 70	27,3-31,6	1530	379	0,268	242
1 x 95	29,2-33,8	1860	406	0,193	293
1 x 120	30,5-35,4	2020	424	0,153	339
1 x 150	34,2-39,6	2540	475	0,124	389
1 x 185	35,3-40,9	3040	490	0,0991	444
1 x 240	38,0-44,0	3735	528	0,0754	522
1 x 300	40,5-46,9	4450	562	0,0601	601
3 x 16	41,0-47,5	2690	427	1,15	67
3 x 25	44,2-51,2	3270	460	0,727	89
3 x 35	47,3-54,7	3800	492	0,524	110
3 x 50	49,4-57,1	4380	514	0,387	137
3 x 70	52,8-61,1	5250	550	0,268	169
3 x 95	57,0-66,0	6450	594	0,193	205
3 x 120	63,6-73,6	7750	662	0,153	237
3 x 150	67,5-78,1	9050	703	0,124	272
3 x 185	68,4-79,2	10150	713	0,0991	311
3 x 240	74,1-85,8	12560	772	0,0754	365
3 x 300	80,1-92,8	15260	835	0,0601	421