

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)
Colour	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	12 / 20 kV
Test Voltage	42 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 35	29,1-33,7	1410	404	0,524	157
1 x 50	31,0-35,9	1600	430	0,387	196
1 x 70	31,7-36,7	1860	440	0,268	242
1 x 95	33,8-39,1	2210	470	0,193	293
1 x 120	36,3-42,1	2700	505	0,153	339
1 x 150	37,9-43,8	3030	526	0,124	389
1 x 185	39,5-45,7	3450	548	0,0991	444
1 x 240	42,-48,9	4170	586	0,0754	522
1 x 300	45,1-52,2	4950	626	0,0601	601
3 x 35	56,9-65,8	5120	592	0,524	110
3 x 50	58,9-68,1	5730	613	0,387	137
3 x 70	62,4-72,2	6710	650	0,268	169
3 x 95	66,5-76,9	7970	692	0,193	205
3 x 120	69,9-80,9	9130	728	0,153	237
3 x 150	74,1-85,8	10400	772	0,124	272
3 x 185	78,2-90,6	12020	815	0,0991	311
3 x 240	83,4-96,5	14450	868	0,0754	365
3 x 300	89,3-103,3	17300	930	0,0601	421