



### CABLE STRUCTURE

Conductor	Electrolytic, stranded, annealed bare copper wire IEC 60228 Class 5 (Class 2 and / or tinned on request)
Insulation	Halogen free, flame retardant, cross linked polyolefin compound (HF90).
Colour	Black, red, blue and other colours

### 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)
Ozon Resistance	IEC60811 / 403
Temperature Range	-40°C / + 90°C
Min. Bending Radius (fixed)	4 x D
Rated Voltage	0,6 / 1 kV
Test Voltage	3,5 kV

Minimum recommended installation temperature -15°C  
For core identification, diameter tolerances and other details see technical information section

#### Application

Fixed wiring in control panels, switch boards and various electrical enclosures and also used as fixed installation cables in various electromechanical and electronic equipments.



Halogen Free



Low Smoke Density



Flame Retardant



Rated Voltage



Test Voltage



Working Temperature



Bending Radius



No Corrosivity

HFFR Switchboard Cable

Cross Section (mm <sup>2</sup> )	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Bending Radius Fixed Min. (mm)	Max Resistance of Conductors at 20°C (ohm / km)	Current Carrying Capacity at 45°C (A)
1 x 1	2,7	15	11	19,5	16
1 x 1,5	2,9	19	12	13,3	21
1 x 2,5	3,2	28	13	7,98	29
1 x 4	3,7	41	15	4,95	39
1 x 6	4,2	59	17	3,30	50
1 x 10	5,5	98	22	1,91	71
1 x 16	6,2	148	25	1,21	93
1 x 25	8,6	240	35	0,78	122
1 x 35	9,7	330	39	0,554	152
1 x 50	11,6	464	47	0,386	195
1 x 70	13,0	648	53	0,272	240
1 x 95	14,9	841	60	0,206	286
1 x 120	17,0	1076	68	0,161	332
1 x 150	18,8	1336	76	0,129	382
1 x 185	21,5	1675	86	0,106	432
1 x 240	24,0	2172	96	0,0801	508
1 x 300	26,6	2703	107	0,0641	590