HFF-CX 0.6/1kV

Halogen free switchboard wire

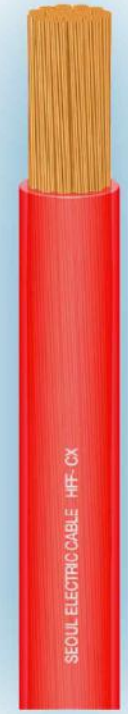
SEC Cable

Type Approval Certificates

- American Bureau of Shipping
- Bureau Veritas
- China Classification Society
- Det Norske Veritas
- Germanischer Lloyd
- Korean Register
- Lloyd's Register
- Nippon Kaiji Kyokai
- Registro Italiano Navale

Application

For fixed wiring in switchboards, control panels and other enclosures



Conductors

stranded flexible bare copper class 5 acc. to IEC 60228

Insulation

halogen-free polyolefin compound type HF 90 acc. to IEC 60092-351

Color of Core

black, red, blue, white, grey, green/yellow, yellow
Other colors available

Maximum conductor operating temperature	:	+90°C
Lowest ambient temperature for fixed installation	:	-40°C
Lowest installation temperature	:	-15°C
Maximum short-circuit conductor temperature	:	+250°C
Minimum bending radius	:	≤25mm² 4D >25mm² 6D (D is the overall diameter of the cable

Test Performances

Flame retardant	:	IEC 60332-1-2
Smoke emission	:	IEC 61034-2
Gases evolved during combustion	:	IEC 60754-1: <0,5% acid gas IEC 60754-2: pH ≥4,3; conductivity ≤10 μSmm^{-1}

Standards

Construction and Design	:	IEC 60228, IEC 60092-350, IEC 60092-353
Materials	:	IEC 60092-351

No. of Cores	Conductor		Nominal Outer Diameter	Maximum Conductor Resistance	Voltage Test (A.C)	Minimum Insulation Resistance	Approx. Cable Weight
	Size	Max. diameter of wires					
No.s	mm²	mm	mm	Ω/km·20°C	kV/5min	MΩ·km·20°C	kg/km
1	0.75	0.21	2.7	26.0	3.5	850	13
1	1.0	0.21	2.8	19.5	3.5	850	16
1	1.5	0.26	3.1	13.3	3.5	850	21
1	2.5	0.26	3.6	7.98	3.5	700	31
1	4	0.31	4.2	4.95	3.5	600	47
1	6	0.31	4.9	3.30	3.5	500	70
1	10	0.41	5.8	1.91	3.5	400	105
1	16	0.41	7.1	1.21	3.5	340	161
1	25	0.41	8.9	0.780	3.5	290	260
1	35	0.41	10.1	0.554	3.5	270	352
1	50	0.41	11.9	0.386	3.5	250	503
1	70	0.51	14.1	0.272	3.5	220	714
1	95	0.51	15.8	0.206	3.5	210	929
1	120	0.51	17.6	0.161	3.5	210	1166
1	150	0.51	19.6	0.129	3.5	200	1490
1	185	0.51	22.1	0.106	3.5	200	1830