

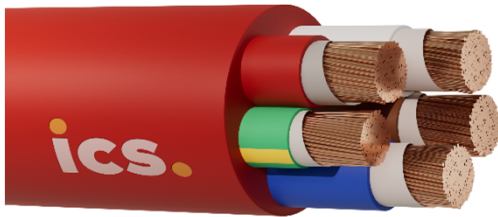
# Fire Rated Multicore



## 0.6/1kV Multicore Core

### X-HF-110 Insulated, HFS-110-TP RED Sheathed Cable

Description: 0.6/kV CU/X-HF110/HFS-110-TP  
ASNZS5000.1



**Application:** This cable can be used for mains power supply in switchboards and power stations. It can be installed in trenches, cable duct and it can withstand extreme temperature for 2 hours

**Voltage Rating:** 0.6 /kV

**Construction:** Fin Plain Annealed copper, Class 5 Circular Stranded

**Insulation:** X-HF-110, Mica Tape, White ASNZS3808

**Outer Sheath:** HFS-110-TP, RED ASNZS3808, HFS (Halogen Free or LSZH)

**Temperature Range:** Min -25° , Max 110° , Flame Retardant

**Standards:** ASNZS3013 – WS52

AS/NZS 1660.5.1 / IEC 60332-3-22

AS/NZS 1660.5.2 / IEC 61034-2

AS/NZS 1660.5.3 / IEC 60754-1

AS/NZS 1660.5.4 / IEC 60754-2

AS/NZS 1660.5.5 / IEC 60331

**Bending Radius:** 10 x OD

Part Number	No of cores and nominal cross section area [mm]	Nominal Thickness of insulation [mm]	Thickness of PVC Outer sheath	Earth Conductor cross section	Overall diameter App.	Maximum wire OD phase	Net weight	D. C. resistance of conductor 20°C (Ω/km)
	No*Section	Phase core	[mm]	[mm]	[mm]	[mm]	[kg/m]	Voltage withstand test(kV)-3.5
22.5CIRFLEXFR	2*2.5+1*2.5	0.7	1.8	2.5	16.40	0.26	0.313	7.980
24CIRFLEXFR	2*4+1*2.5	0.7	1.8	2.5	17.20	0.31	0.260	4.950
26CIRFLEXFR	2*6+1*2.5	0.7	1.8	2.5	18.20	0.31	0.312	3.300
210CIRFLEXFR	2*10+1*4	0.7	1.8	4.0	20.10	0.41	0.430	1.980
31.5CIRFLEXFR	3*1.5+1*1.5	0.7	1.8	1.5	15.80	0.26	0.245	13.300
32.5CIRFLEXFR	3*2.5+1*2.5	0.7	1.8	2.5	17.80	0.26	0.360	7.980
310CIRFLEXFR	3*10+1*4	0.7	1.8	4.0	22.30	0.41	0.80	1.980
42.5CIRFLEXFR	4*2.5+1*2.5	0.7	1.8	2.5	19.40	0.26	0.451	7.980
44CIRFLEXFR	4*4+1*2.5	0.7	1.8	4.0	20.60	0.31	0.543	4.950
46CIRFLEXFR	4*6+1*2.5	0.7	1.8	2.5	21.90	0.31	0.656	3.300
410CIRFLEXFR	4*10+1*4	0.7	1.8	4.0	24.40	0.41	0.905	1.980
416CIRFLEXFR	4*16+1*6	0.7	1.8	6.0	27.50	0.41	1.264	1.210
425CIRFLEXFR	4*25+1*6	0.7	1.8	6.0	31.60	0.41	1.779	0.780
435CIRFLEXFR	4*35+1*10	0.7	1.8	10.0	35.20	0.41	2.343	0.554
450CIRFLEXFR	4*50+1*16	0.7	1.8	16.0	38.80	0.41	3.198	0.386

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of ICSLTD is indicative only and shall not be binding on ICSLTD or be treated as constituting a representation on the part of ICSLTD.

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**Description: 0.6/kV CU/X-HF110/HFS-110-TP ASNZS5000.1**

## Current Carrying Capacity

### Three and Four Core

Reference Ambient Temperature: 30°C in air and 15°C in ground

Conductor Size	Unenclosed Spaced	Unenclosed touching surface	Exposed to sun	Enclosed metallic enclosure in Air	Underground Buried Direct	Underground wiring enclosure
[mm]						
10	86	80	73	70	75	75
16	113	106	95	90	129	96
25	150	140	126	120	167	125
35	185	173	155	147	201	152
50	233	218	195	187	240	189
70	292	273	243	232	294	230
95	350	327	290	281	353	275
120	414	385	340	327	402	316
150	475	442	389	381	452	361
185	540	503	441	430	510	404
240	644	598	522	523	591	480
300	736	683	594	.	667	540
400	874	809	701	.	756	642
500	1002	926	798	.	845	721

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