



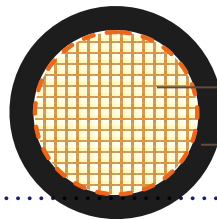
# Flame Retardant Zero Halogen Crosslinked Thermoset Single Core X-HF- 110 Flexible Power Cable, 0.6/1kV

## Application

These power cables are mainly for use in fixed applications.

## Standard

AS 5000.1,  
AS 1125,  
AS 3808



Plain copper conductor

X-HF-110 insulation

## Cable Construction

**Conductor:** Nominal 0.2mm stranded flexible plain copper wire to AS 1125

**Insulation:** X-HF-110 to AS3808

**Colours:** Black, Red, Blue, White, Green/Yellow

## Technical Characteristics

Conductor Size mm <sup>2</sup>	Electrical Resistance @20.C Ohm/km	Current Rating' AMPS 2 single cores	Voltage Drop mV 1Am at Max operating Temperature	
			Single Phase	Three Phase
0.5	39	7	125	107
1.0	19.500	25	57.4	49.70
1.5	13.300	32	36.85	31.90
2.5	7.980	45	20.1	17.40
4.0	4.950	59	12.5	10.80
6.0	3.300	75	8.35	7.23
10	1.910	105	4.97	4.30
16	1.210	135	3.13	2.71



Conductor Size mm <sup>2</sup>	Electrical Resistance @20.C Ohm/km	Current Rating' AMPS 2 single cores	Voltage Drop mV 1Am at Max operating Temperature	
			Single Phase	Three Phase
25	0.780	185	1.99	1.72
35	0.554	225	1.44	1.25
50	0.386	275	1.07	0.929
70	0.272	350	0.769	0.657
95	0.206	435	0.567	0.491
120	0.161	510	0.465	0.403

### Cable Parameter

Conductor Size	No.of cores	Conductor No./ OD	Nominal Insulation Thickness	Nominal O.D.	Approx.cable weight
mm <sup>2</sup>		mm	mm	mm	kg/100m
0.5	1	16/0.2	0.7	2.40	1.10
1.0	1	32/0.2	0.7	2.80	1.50
1.5	1	30/0.25	0.7	3.10	2.00
2.5	1	50/0.25	0.7	3.60	2.90
4.0	1	128/0.2	0.7	4.20	4.40
6.0	1	192/0.2	0.7	4.80	6.60
10	1	322/0.2	0.7	5.80	10.50
16	1	511/0.2	0.7	6.90	16.10
25	1	784/0.2	0.9	8.70	28.80
35	1	1120/0.2	0.9	9.60	36.30
50	1	1568/0.2	1.0	11.20	49.50
70	1	2240/0.2	1.1	13.20	70.10
95	1	3040/0.2	1.1	15.00	94.20
120	1	3800/0.2	1.2	16.70	116.80