



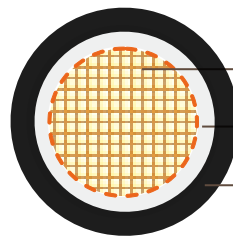
Single Core Double Insulated Flexible Power and Welding Cable, 0.6/1kV

Application

These cables are used for fixed power applications, can be used in power applications, such as switchboards, busbars, transformers, welding applications, like E and electrode leads, and automotive applications for jumper leads, battery chargers.

Standard

- AS 5000.1
- AS 1995
- AS 1125
- AS 3808



- Plain copper conductor
- NBR modified PVC insulation
- NBR modified PVC sheath

Cable Construction

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

Insulation: Nitrile (NBR) Modified PVC to comply with AS3808 V90HT

Insulation Colour: White

Sheath: Nitrile (NBR) Modified PVC to comply with AS3808 V90HT

Sheath Colours: Orange, Black - other colours available by request

Technical Characteristics

Conductor Size mm ²	Electrical Resistance @20.C Ohm/km	Current Rating' AMPS 2 single cores	Voltage Drop mV 1Am at Max operating Temperature	
			Single Phase	Three Phase
10	1.910	69	4.45	3.86
16	1.210	92	2.80	2.43
25	0.780	125	1.78	1.54
35	0.554	155	1.29	1.12
50	0.386	185	0.96	0.83
70	0.272	240	0.62	0.59
95	0.206	295	0.51	0.44
120	0.161	345	0.41	0.36



Cable Parameter

Conductor Size	No.of cores	Conductor No./ OD	Nominal Insulation Thickness	Nominal Sheath Thickness	Nominal O.D.	Approx.cable weight
mm ²		mm	mm	mm	mm	kg/100m
10	1.0	322/0.2	1.0	1.4	9.1	14.42
16	1.0	511/0.2	1.0	1.4	10.1	20.16
25	1.2	784/0.2	1.2	1.4	11.8	29.14
35	1.2	1120/0.2	1.2	1.4	13.1	38.96
50	1.4	1568/0.2	1.4	1.4	14.9	52.84
70	1.4	2240/0.2	1.4	1.5	17.0	72.34
95	1.6	3040/0.2	1.6	1.5	19.3	96.18
120	1.6	3800/0.2	1.6	1.6	20.8	117.86