



### 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.

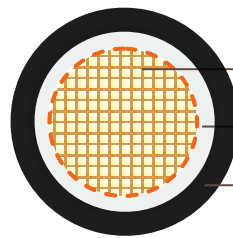
#### Standard

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 <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
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 <sup>2</sup>		mm	mm	mm	mm	kg/100m
10	1	322/0.2	1.0	1.4	9.1	14.42
16	1	511/0.2	1.0	1.4	10.1	20.16
25	1	784/0.2	1.2	1.4	11.8	29.14
35	1	1120/0.2	1.2	1.4	13.1	38.96
50	1	1568/0.2	1.4	1.4	14.9	52.84
70	1	2240/0.2	1.4	1.5	17.0	72.34
95	1	3040/0.2	1.6	1.5	19.3	96.18
120	1	3800/0.2	1.6	1.6	20.8	117.86