

# Power Cable, PVC Sheath

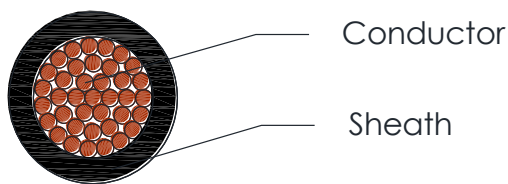


## C14108

### Applications

Single core cable 450/750 V, of soft annealed stranded plain conductors, insulated by polyvinyl chloride (PVC) suitable for maximum operating temperature of 70°C.

### Cross Section Drawing



### Design

Unit	Properties
Conductor	Flexible Bare Copper wire
Sheath	Flame-Retardant Polyvinyl Chloride (PVC) Standard colour: Black
Standard Put Up Length	305 meters

\*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

### Physical Characteristics

Part Number	C14108
Cross section (mm <sup>2</sup> )	16.0
Conductor Shape	Circular-Compacted
Nom. Radial Thickness Sheath(mm)	1.0
Nom. Overall Diameter(mm)	6.7
Nominal Cable Weight (kg/km)	163
Bending Radius (mm)	40

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**Electrical Characteristics at 20°C**

Part Number	C14108
Cross section (mm <sup>2</sup> )	16.0
Service Initial Conditions	
Air Temperature (°C)	40
Current Carrying Capacity	
Laid in Free air (Amp)	88
Laid in duct (Amp)	63
Normal Operation Electrical Parameters	
Max. Operating Temp. in conductor (°C)	70
Conductor DC resistance at 20°C (Ohm/km)	1.15
Conductor AC resistance at max. operating temp.& 50Hz (Ohm/km)	1.37
Short circuit Operation Electrical Parameters	
Max. Conductor Temp during short circuit (°C)	160
Conductor short circuit current for 1sec (KA)	1.8
Max. Operating Voltage (Vrms)	450/750

**Reference Standards**

(BS) EN 50290-2
IEC 60228
IEC 60227-3
RoHS directives