

PVC Single Core Cable

H07V-R 450/750V

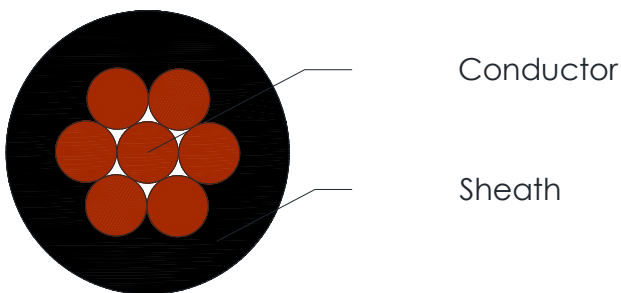


C4010, C4593, C4594, C4595, C4855, C4856, C4857

Applications

Single core PVC sheathed cable for lighting network, switchgear, control gear and for internal wiring.

Cross Section Drawing



Design

Unit	Properties
Conductor	Stranded Bare Copper wire
Sheath Material	Polyvinylchloride (PVC) Colour: Brown, Black, Blue, grey, Green/Yellow (Earth), Orange, Red & White
Standard Put Up Length	100 or 500 meters

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

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Physical Characteristics

Part Number	C4010	C4855	C4856	C4857	C4593	C4594	C4595
Cross section (mm ²)	1.5	2.5	4.0	6.0	16.0	35.0	120.0
Conductor construction (mm)	7/0.53	7/0.67	7/0.85	7/1.04	7/1.70	7/2.52	37/2.03
Nom. Conductor diameter (mm)	1.59	2.01	2.55	3.12	5.10	7.56	10.15
Nom. Radial Thickness Insulation (mm)	0.75	0.75	0.75	0.75	1.00	1.20	1.60
Nom. Overall Diameter (mm)	3.10	3.50	4.05	4.62	7.10	9.90	17.20
Operating Temperature (°C)	-15 to +70						
Installation Temperature (°C)	0 to +60						
Min. Bend Radius (install) (mm)	8.7	14.0	16.0	18.5	28.4	49.5	103.2
Nominal Cable Weight (kg/km)	20.5	32.0	47.8	68.2	175	370	1200

Electrical Characteristics (at 20°C)

Part Number	C4010	C4855	C4856	C4857	C4593	C4594	C4595
Max. DC Resistance Conductor (Ω/km)	12.1	7.41	4.61	3.08	1.15	0.524	0.153
Test Voltage (V)	2500						
Max. Operating Voltage (Vrms)	450/750						

Reference Standards

BS 6004
EN 50265
IEC 60332-1
RoHS Directives