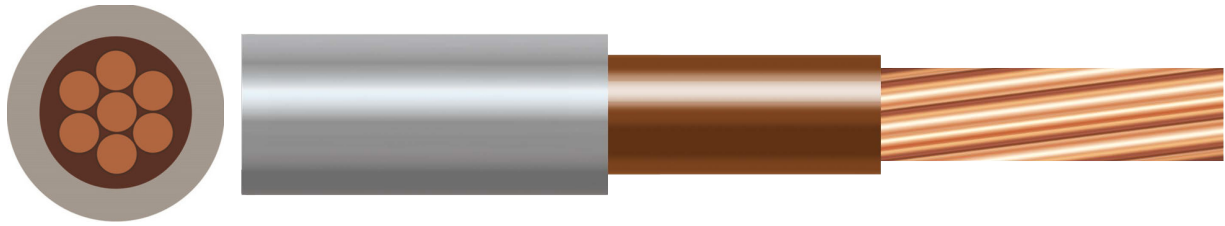


## 6181-XY DOUBLE INSULATED PVC MAINS CABLE



These cables are designed for fixed installations in industrial settings and buildings, excluding direct burial. They are double-insulated single-core power cables intended for installation in walls, boards, channels, or embedded in plaster. They are suitable for mounting directly on surfaces, in free air, or on trays.

<b>CONDUCTOR</b>	Plain Copper
<b>STRANDING</b>	Class 2
<b>INSULATION</b>	XLPE
<b>OUTERSHEATH</b>	PVC
<b>OUTERSHEATH COLOUR</b>	Black, Blue, Grey, Brown
<b>RATED VOLTAGE</b>	0.6/1kV
<b>CORE IDENTIFICATION</b>	Black Blue Grey Brown
<b>MINIMUM BENDING RADIUS</b>	6 x Overall Diameter
<b>OPERATING TEMPERATURE</b>	90°C
<b>STANDARDS</b>	BS7889

# SPECIFICATION DATA

## ELECTRICAL CHARACTERISTICS

Nominal Cross Sectional Area mm <sup>2</sup>	Conductor DC Resistance at 20°C ohm/km
1.5	12.10
2.5	7.41
4	4.61
6	3.08
10	1.83
16	1.15
25	0.727
235	0.524
50	0.387
70	0.268
95	0.193
120	0.153
150	0.124
185	0.0991
240	0.0754
300	0.0601
400	0.0470
500	0.0366
630	0.0283

CURRENT CARRYING CAPACITY Ambient temperature: 30°C | Conductor operating temperature: 90°C

## COLOUR CODES

Colour	Black	Blue	Grey	Brown
Code	BK	BL	GR	BR

## DIMENSIONS

BATT Part No	Nominal cross sectional area of conductor	Nominal Diameter of Conductor mm	Nominal Thickness of Insulation mm	Nominal thickness of Over Sheath	Approx overall diameter	Weight
16668	6				7.3	104
16762	10				7.5	140
16633	16				9.3	214
16635	25				11	317
16766	35				12	390
16810	50				14.2	560
16768	70				15.3	746
16829	95				18.3	1050
16770	120				21.2	1767
16614	150				22.8	1650
16623	185				25.1	2030
16580	240				28.4	2660
16639	300				31	3250
16628	400				34.8	4100
16641	630				43.4	6630

The information in this datasheet is for guidance only and subject to change without liability. Images provided are representations; actual cable dimensions may vary due to manufacturing tolerances.

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