



BCC Armour-Guard SWA PVC Cable Range

Steel Wire Armoured Multi Core Cables

(Complies with BS 5467:2016)

Class 2 Stranded Copper/ XLPE Insulation / PVC Bedding Layer / Galvanized Steel Wire Armour Wires / PVC Sheath

Application

Designed for industrial wiring, mains power distribution and associated fixed wiring applications. Suitable for direct burial, installed in ducts or clipped to surface. Indoor and outdoor applications.

Cable Description

Class 2 stranded copper conductor to BS EN 60228
Cross linked polyethylene (XLPE) insulation to BS 7655-1.3
Polyvinyl Chloride (PVC) bedding layer to BS EN 60811-501
Galvanized Steel Wire Armour to BS EN 10244-2:2009
Polyvinyl Chloride (PVC outer sheath to BS 7655-6.1

Insulation Colours

- | | |
|--------|--|
| 3 Core | Brown, Black, Grey |
| 4 Core | Blue, Brown, Black, Grey |
| 5 Core | Green-and-Yellow, Blue, Brown, Black, Grey |

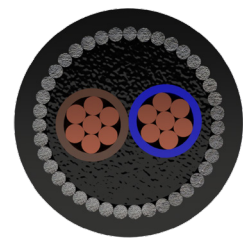
Sheath Colours

Black

Accreditations



Cables are tested and approved by BASEC (British Approvals Service for Cables)



Physical Characteristics

No of Cores	Conductor Class	Nominal Cross Sectional Area (mm ²)	Nominal Insulation Thickness (mm)	Nominal Ø Under Armour (mm)	Nominal Overall Ø (mm)	Maximum Conductor Resistance at 20°C (Ohms/km)	Approximate Weight of Cable (kg/km)
3	2	1.50	0.60	7.80	12.60	12.10	330
3	2	2.50	0.70	9.20	14.10	7.41	390
3	2	4.00	0.70	10.00	15.30	4.61	464
3	2	6.00	0.70	11.20	16.60	3.08	568
3	2	10.00	0.70	13.10	19.50	1.83	866
3	2	16.00	0.70	15.30	21.60	1.15	1152
4	2	1.50	0.60	8.50	13.50	12.10	365
4	2	2.50	0.70	9.90	15.00	7.41	438
4	2	4.00	0.70	11.00	16.40	4.61	532
4	2	6.00	0.70	12.30	18.70	3.08	764
4	2	10.00	0.70	14.50	21.10	1.83	1013
4	2	16.00	0.70	17.00	23.40	1.15	1360
5	2	1.50	0.60	9.70	14.30	12.10	358.6
5	2	2.50	0.70	11.50	16.10	7.41	462.4
5	2	4.00	0.70	13.00	17.80	4.61	591.9
5	2	6.00	0.70	14.50	20.00	3.08	835.5
5	2	10.00	0.70	17.20	22.90	1.83	1077.0
5	2	16.00	0.70	20.00	23.20	1.15	1629.9

Mechanical Characteristics

Characteristic	Unit	Value
Operating Temperature Range	°C	-10/+90
Minimum Bend Radius	Ø	6D

Electrical Characteristics

Characteristic	Unit	Value
Voltage Rating U ₀ /U	V	0.6/1kV
Current rating table		4E4A & 4E4B (BS7671)