

0.6/1.0 KV Control Cable
1.5mm² to 4.0mm²
PVC Insulation and Sheath



C2447 TO C2464 & C2653 TO C2670

Applications

use in switchgear, control gear and generally for control of power and lighting systems.

Design

Unit	Properties
Conductor	Solid or stranded bare copper wire
Insulation	PVC Black cores with number identified.
Filling	Non-hygroscopic binder tape
Outer Sheath Material	PVC Standard Colour: Black
Standard Put Up Length	500 or 1000m

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

Electrical Characteristics at 20°C

Conductor Gauge (sq mm)	Max. DC Resistance (Ohm/km)	Rated Temperature (°C)	Rated Voltage (KV)
1.5	< 12.1	0 to +85	0.6/1.0
2.5	< 7.41	0 to +85	0.6/1.0
4.0	< 4.61	0 to +85	0.6/1.0

Constructional Information

1.5mm² Solid Conductor type class 1

P/N	Cross Sectional Area (mm ²)	Minimum number of conductor wires	Nom. Thickness of insulation (mm)	Nom. Thickness of jacket (mm)	Overall Diameter (mm)	Nom. Weight (kg/km)
C2447	7*1.5	1	0.8	1.8	14	265
C2448	12*1.5	1	0.8	1.8	18	415
C2449	19*1.5	1	0.8	1.8	20	610
C2450	24*1.5	1	0.8	1.8	24	750
C2451	30*1.5	1	0.8	1.8	25	920
C2452	37*1.5	1	0.8	1.8	27	1080

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1.5mm² Stranded Conductor type class 2

P/N	Cross Sectional Area (mm ²)	Minimum number of conductor wires	Nom. Thickness of insulation (mm)	Nom. Thickness of jacket (mm)	Overall Diameter (mm)	Nom. Weight (kg/km)
C2653	7*1.5	7	0.8	1.8	15	280
C2654	12*1.5	7	0.8	1.8	18	440
C2655	19*1.5	7	0.8	1.8	21	655
C2656	24*1.5	7	0.8	1.8	25	800
C2657	30*1.5	7	0.8	1.8	26	950
C2658	37*1.5	7	0.8	1.8	28	1155

2.5mm² Solid Conductor type class 1

P/N	Cross Sectional Area (mm ²)	Minimum number of conductor wires	Nom. Thickness of insulation (mm)	Nom. Thickness of jacket (mm)	Overall Diameter (mm)	Nom. Weight (kg/km)
C2453	7*2.5	1	0.8	1.8	15	350
C2454	12*2.5	1	0.8	1.8	19	565
C2455	19*2.5	1	0.8	1.8	22	825
C2456	24*2.5	1	0.8	1.8	26	1055
C2457	30*2.5	1	0.8	1.8	27	1265
C2458	37*2.5	1	0.8	1.9	30	1525

2.5mm² Stranded Conductor type class 2

P/N	Cross Sectional Area (mm ²)	Minimum number of conductor wires	Nom. Thickness of insulation (mm)	Nom. Thickness of jacket (mm)	Overall Diameter (mm)	Nom. Weight (kg/km)
C2659	7*2.5	7	0.8	1.8	16	365
C2660	12*2.5	7	0.8	1.8	20	595
C2661	19*2.5	7	0.8	1.8	23	855
C2662	24*2.5	7	0.8	1.8	27	1075
C2663	30*2.5	7	0.8	1.8	29	1290
C2664	37*2.5	7	0.8	1.9	31	1570

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4.0mm² Solid Conductor type class 1

P/N	Cross Sectional Area (mm ²)	Minimum number of conductor wires	Nom. Thickness of insulation (mm)	Nom. Thickness of jacket (mm)	Overall Diameter (mm)	Nom. Weight (kg/km)
C2459	7*4.0	1	1.0	1.8	18	530
C2460	12*4.0	1	1.0	1.8	23	850
C2461	19*4.0	1	1.0	1.8	27	1275
C2462	24*4.0	1	1.0	1.9	32	1630
C2463	30*4.0	1	1.0	2.0	34	1990
C2464	37*4.0	1	1.0	2.1	37	2405

4.0mm² Stranded Conductor type class 2

P/N	Cross Sectional Area (mm ²)	Minimum number of conductor wires	Nom. Thickness of insulation (mm)	Nom. Thickness of jacket (mm)	Overall Diameter (mm)	Nom. Weight (kg/km)
C2665	7*4.0	7	1.0	1.8	19	540
C2666	12*4.0	7	1.0	1.8	24	880
C2667	19*4.0	7	1.0	1.8	28	1300
C2668	24*4.0	7	1.0	1.9	33	1660
C2669	30*4.0	7	1.0	2.0	35	2050
C2670	37*4.0	7	1.0	2.1	39	2480

Reference Standards

IEC 60228	IEC:502 type ST2
BS6746 Type 5,	RoHS directives