

3. Industrial - Copper

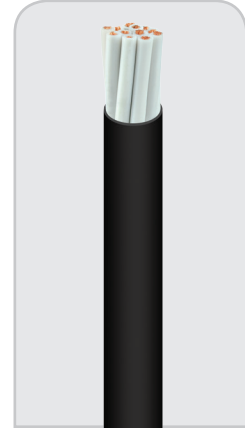
3.5.1

Multi Core PVC Insulated and PVC Sheathed Unarmoured - Circular Auxiliary Cable

Application: Use in fixed installations in industrial areas, buildings and similar applications.

Specifications

Type		: Cu/PVC/PVC
Standard		: BS 6346
Nominal Voltage		: 600/1000V
Conductor		: Class 2 Annealed Copper Wires
Insulation	Material	: PVC TI 1
	Colour	: White with black numbering
Sheathing	Material	: PVC TM 1
	Colour	: Black



Nominal Cross Sectional Area	No. & Dia. of wires	Nominal Insulation Thickness	Nominal Sheathing Thickness	Approx. Overall Diameter	Max. d.c. Resistance at 20 °C	Approx. Weight
mm ²	x/mm	mm	mm	mm	Ω/km	kg/km
7 x 1.5	7/0.53	0.6	1.4	11.5	12.1	213
12 x 1.5	7/0.53		1.5	14.9		346
19 x 1.5	7/0.53		1.6	17.5		516
27 x 1.5	7/0.53		1.7	20.9		716
37 x 1.5	7/0.53		1.8	23.4		954
48 x 1.5	7/0.53		1.9	26.8		1222
7 x 2.5	7/0.67	0.7	1.5	13.5	7.41	312
12 x 2.5	7/0.67		1.6	17.7		510
19 x 2.5	7/0.67		1.7	20.8		767
27 x 2.5	7/0.67		1.8	24.9		1068
37 x 2.5	7/0.67		1.9	28.0		1427
48 x 2.5	7/0.67		2.1	32.3		1847
7 x 4	7/0.85	0.8	1.6	16.0	4.61	460
12 x 4	7/0.85		1.7	21.0		757
19 x 4	7/0.85		1.8	24.7		1147
27 x 4	7/0.85		2.0	29.8		1616
37 x 4	7/0.85		2.1	33.6		2165
48 x 4	7/0.85		2.2	38.5		2781

3. Industrial - Copper

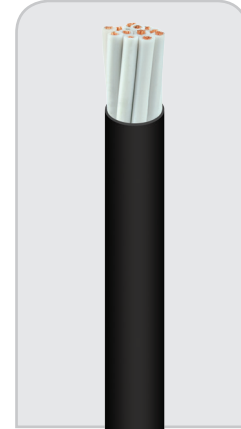
3.5.2

Multi Core XLPE Insulated and PVC Sheathed Unarmoured - Circular Auxiliary Cable

Application: Use in fixed installations in industrial areas, buildings and similar applications.

Specifications

Type		: Cu/XLPE/PVC
Standard		: BS 5467
Nominal Voltage		: 600/1000V
Conductor		: Class 2 Annealed Copper Wires
Insulation	Material	: XLPE
	Colour	: White with black numbering
Sheathing	Material	: PVC Type 9
	Colour	: Black



Nominal Cross Sectional Area	No. & Dia. of wires	Nominal Insulation Thickness	Nominal Sheathing Thickness	Approx. Overall Diameter	Max. d.c. Resistance at 20 °C	Approx. Weight
mm ²	x/mm	mm	mm	mm	Ω/km	kg/km
7 x 1.5	7/0.53	0.6	1.4	11.5	12.1	196
12 x 1.5	7/0.53		1.5	14.9		316
19 x 1.5	7/0.53		1.6	17.5		470
27 x 1.5	7/0.53		1.7	20.9		650
37 x 1.5	7/0.53		1.7	23.3		852
48 x 1.5	7/0.53		1.8	26.6		1092
7 x 2.5	7/0.67	0.7	1.4	13.3	7.41	281
12 x 2.5	7/0.67		1.6	17.7		467
19 x 2.5	7/0.67		1.7	20.8		699
27 x 2.5	7/0.67		1.8	24.9		972
37 x 2.5	7/0.67		1.8	27.8		1283
48 x 2.5	7/0.67		2.0	32.1		1662
7 x 4	7/0.85	0.7	1.5	15.2	4.61	405
12 x 4	7/0.85		1.6	19.9		666
19 x 4	7/0.85		1.7	23.5		1008
27 x 4	7/0.85		1.9	28.4		1422
37 x 4	7/0.85		2.0	32.0		1905
48 x 4	7/0.85		2.1	36.7		2446

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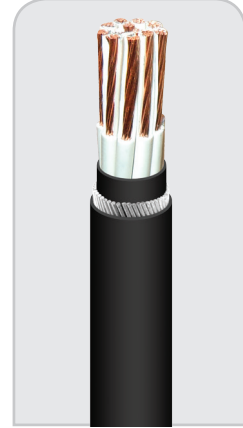
3.10.1

Multi Core PVC Insulated and PVC Sheathed Armoured - Circular Auxiliary Cable

Application: Use in fixed installations in industrial areas, buildings and similar applications.

Specifications

Type		: Cu/PVC/SWA/PVC
Standard		: BS 6346
Nominal Voltage		: 600/1000V
Conductor		: Class 2 Annealed Copper Wires
Insulation	Material	: PVC TI 1
	Colour	: White with black numbering
Sheathing	Material	: PVC TM 1
	Colour	: Black



Nominal Cross Sectional Area	No. & Dia. of wires	Nominal Insulation Thickness	Nominal Bedding Thickness	Nominal Steel Armour Wire Diameter	Nominal Sheathing Thickness	Approx. Overall Diameter	Max. d.c. Resistance at 20 °C	Approx. Weight
mm ²	x/mm	mm	mm	mm	mm	mm	Ω/km	kg/km
7 x 1.5	7/0.53	0.6	0.8	0.9	1.4	15.2	12.1	458
12 x 1.5	7/0.53		0.8	1.25	1.5	19.4		765
19 x 1.5	7/0.53		0.8	1.25	1.6	22.2		1000
27 x 1.5	7/0.53		1.0	1.6	1.7	26.7		1470
37 x 1.5	7/0.53		1.0	1.6	1.8	29.2		1791
48 x 1.5	7/0.53		1.0	1.6	1.9	32.9		2173
7 x 2.5	7/0.67	0.7	8.0	1.25	1.5	18.0	7.41	694
12 x 2.5	7/0.67		8.0	1.25	1.6	22.4		1000
19 x 2.5	7/0.67		1.0	1.6	1.7	26.6		1516
27 x 2.5	7/0.67		1.0	1.6	1.8	30.7		1955
37 x 2.5	7/0.67		1.0	1.6	1.9	34.0		2416
48 x 2.5	7/0.67		1.2	2.0	2.1	39.5		3281
7 x 4	7/0.85	0.8	0.8	1.25	1.6	20.5	4.61	904
12 x 4	7/0.85		1.0	1.6	1.7	26.8		1514
19 x 4	7/0.85		1.0	1.6	1.8	30.5		2026
27 x 4	7/0.85		1.2	2.0	2.0	37.1		2950
37 x 4	7/0.85		1.2	2.0	2.1	40.8		3653
48 x 4	7/0.85		1.2	2.0	2.2	46.0		4476

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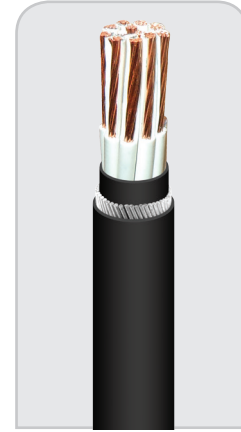
3.10.2

Multi Core XLPE Insulated and PVC Sheathed Armoured - Circular Auxiliary Cable

Application: Use in fixed installations in industrial areas, buildings and similar applications.

Specifications

Type		: Cu/XLPE/SWA/PVC
Standard		: BS 5467
Nominal Voltage		: 600/1000V
Conductor		: Class 2 Annealed Copper Wires
Insulation	Material	: XLPE
	Colour	: White with black numbering
Sheathing	Material	: PVC Type 9
	Colour	: Black



Nominal Cross Sectional Area	No. & Dia. Of wires	Nominal Insulation Thickness	Nominal Bedding Thickness	Nominal Steel Armour Wire Diameter	Nominal Sheathing Thickness	Approx. Overall Diameter	Max. d.c. Resistance at 20 °C	Approx. Weight
mm ²	x/mm	mm	mm	mm	mm	mm	Ω/km	kg/km
7 x 1.5	7/0.53	0.6	0.8	0.9	1.4	15.2	12.1	441
12 x 1.5	7/0.53		0.8	1.25	1.5	19.4		736
19 x 1.5	7/0.53		0.8	1.25	1.6	22.2		954
27 x 1.5	7/0.53		1.0	1.6	1.7	26.7		1404
37 x 1.5	7/0.53		1.0	1.6	1.7	29.0		1688
48 x 1.5	7/0.53		1.0	1.6	1.8	32.7		2040
7 x 2.5	7/0.67	0.7	0.8	0.9	1.4	17.1	7.41	564
12 x 2.5	7/0.67		0.8	1.25	1.6	22.4		958
19 x 2.5	7/0.67		1.0	1.6	1.7	26.6		1449
27 x 2.5	7/0.67		1.0	1.6	1.8	30.7		1859
37 x 2.5	7/0.67		1.0	1.6	1.8	33.8		2270
48 x 2.5	7/0.67		1.2	2.0	2.0	39.3		3093
7 x 4	7/0.85	0.7	0.8	1.25	1.5	19.7	4.61	830
12 x 4	7/0.85		1.0	1.6	1.6	25.7		1392
19 x 4	7/0.85		1.0	1.6	1.7	29.3		1851
27 x 4	7/0.85		1.0	1.6	1.9	34.4		2426
37 x 4	7/0.85		1.2	2.0	2.0	39.2		3329
48 x 4	7/0.85		1.2	2.0	2.1	44.1		4068