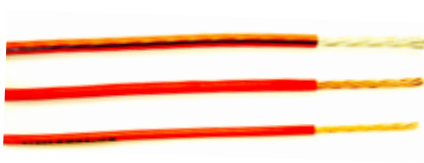


CABLES OF OUR MANUFACTURE

LOW VOLTAGE POWER CABLES

PVC INSULATED SINGLE CORE CABLES WITH HARD DRAWN COPPER / ALUMINIUM CONDUCTOR
BS 6485, ECG E-9



LOW VOLTAGE AERIAL BUNDLED CONDUCTOR
BS 7870-5, ECG E-33

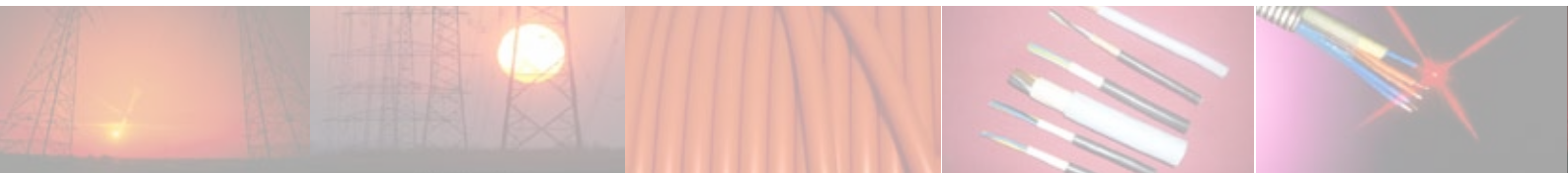


LOW VOLTAGE PVC/XLPE INSULATED ARMoured AND UNARMoured POWER CABLES
BS 6346, IEC 60502, BS 5467, BS 7889



APPLICATION:

LOW VOLTAGE POWER DISTRIBUTION, CONSUMER SERVICE CONNECTIONS, UNDERGROUND POWER TRANSMISSION, OUTDOOR INSTALLATIONS



PVC INSULATED SINGLE CORE CABLE WITH HARD DRAWN COPPER / ALUMINIUM CONDUCTOR BS 6485

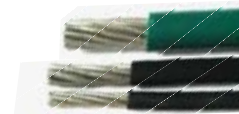
Conductor: hard drawn copper conductor class 2 BS 7884 / Aluminium BS 215
Insulation: PVC TI1 BS 7655

Minimum insulation thickness: Type 8 (LV) 0.8mm
Type 16(HV) 1.6mm



COPPER CONDUCTOR

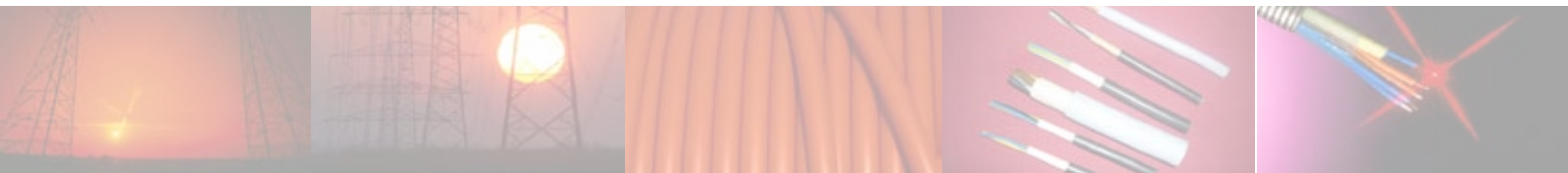
Nominal cross sect. area	Stranding and wire diameter	Approx. overall diameter of bare conductor	Max. d.c. resistance @20°C	Approx. breaking load	Approx. overall diameter of covered conductor	
					Type 8	Type 16
mm ²	mm	mm	Ω/km	kN	Type 8	Type 16
14	7/1.60	4.8	1.303	5.744	6.8	8.4
16	3/2.65	5.7	1.106	6.59	7.7	9.3
16	7/1.70	5.1	1.154	5.946	7.1	8.3
32	3/3.75	8.06	0.552	12.71	10.5	12.1
35	7/2.50	7.5	0.5387	12.86	9.9	11.5
70	7/3.55	10.65	0.2646	26.88	13.5	14.7
100	7/4.30	12.9	0.181	37.64	15.7	16.9



ALUMINIUM CONDUCTOR

Nominal cross sect. area	Stranding and wire diameter	Approx. overall diameter of bare conductor	Max. d.c. resistance @20°C	Approx. breaking load	Approx. overall diameter of covered conductor
					Type 8
mm ²	mm	mm	Ω/km	kN	Type 8
22	7/2.06	6.18	1.227	3.99	8.2
50	7/3.10	9.3	0.5419	8.28	11.7
100	7/4.39	13.17	0.2702	16.00	16
200	19/3.78	18.9	0.1349	32.4	21.7


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PVC INSULATED SINGLE CORE CABLE WITH HARD DRAWN COPPER / ALUMINIUM CONDUCTOR


ECG E-9 SPECIFICATION (LV &HV)

COPPER CONDUCTOR



Nominal Cross Section. Area, mm ²	16	35	70
No. and diameter of wire, mm	7/1.70	7/2.5	7/3.55
Overall Diameter, mm	5.1	7.5	10.65
Conductor weight, (kg/km) / std max	142.4 144.0	308.0 314.9	621.0 634.7
Single wire weight (kg/km) / std max	49.03 50.04	43.64 44.52	87.99 89.74
Conductor minimum breaking load after stranding, (N)	5,946	12,860	25,930
Max. Conductor DC resistance at 20°C, Ohm/km	1.154	0.5387	0.2646
Thickness of insulation (LV), mm	1.00	1.00	1.00
Thickness of insulation (HV), mm	1.80	1.80	1.80

ALUMINIUM CONDUCTOR



Nominal Cross Section. Area, mm ²	25	50	120	150	265	
No. and diameter of wire, mm	7/2.0	7/2.10	7/3.1	19/2.8	19/3.25	19/4.22
Overall Diameter, mm	6.0	6.30	9.3	14	16.25	21.10
Conductor weight - kg / km	66.4	66.8	144	322	434	731
Single wire weight (kg/km)	8.5	9.4	18.5	16.66	22.44	37.80
Conductor minimum breaking load after stranding, (N)	4,270	4,120	8,731	20,170	25,700	40,400
Max. Conductor DC resistance at 20°C, Ohm/km	1.3017	1,1807	0.5413	0.2459	0.1825	0.1083
Thickness of insulation (LV), mm	1.00	1.00	1.00	1.00	1.00	1.00
Thickness of insulation (HV), mm	1.80	1.80	1.80	1.80	1.80	1.80

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LOW VOLTAGE AERIAL BUNDLED CONDUCTOR

gen. BS 7870-5, ECG E-33

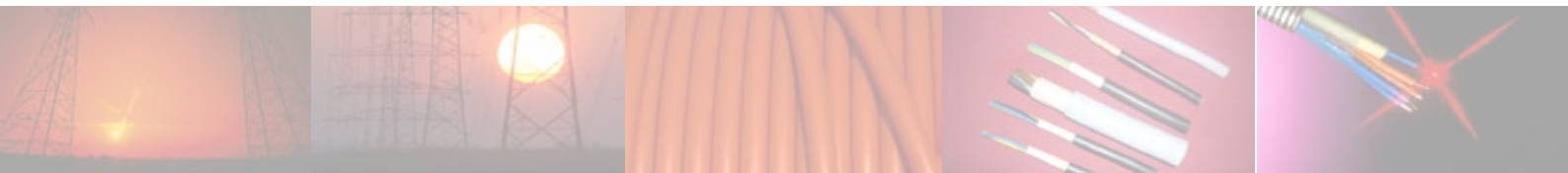
Conductor: All Aluminium circular stranded BS 6360
 Insulation: XLPE Gp 8 BS 7655



REQUIREMENTS FOR TWO-, FOUR- AND FIVE-CORE BUNDLES (BS 7870-5)

	Nominal cross-sectional area of conductors (mm ²)					
	25	35	50	70	95	120
Nominal No. of wires in conductor	7	7	19	19	19	19
Diameter of conductor						
minimum (mm)	5.6	6.6	7.7	9.3	11	12.5
maximun (mm)	6.5	7.5	8.5	10.2	12	13.5
Minimum average thickness of insulation (mm)	1.3	1.3	1.5	1.5	1.7	1.7
Minimum thickness of insulation at any point (mm)	1.07	1.07	1.25	1.25	1.43	1.43
Max thickness of insulation						
phase core excluding ribs (mm)	2.1	2.1	2.1	2.1	2.1	2.1
neutral core including ribs (mm)	2.3	2.3	2.3	2.3	2.3	2.3
Maximum diameter of core						
phase core excluding ribs (mm)	9.7	10.7	12.1	13.8	16.1	17.6
neutral core including ribs (mm)	10.2	11.2	12.6	14.3	16.6	18.1
Neutral core identification						
number of ribs (min)	12	12	12	16	16	16
Maximum D.C. resistance of conductor in bundle at 20°C (Ω/km)	1.200	0.868	0.641	0.443	0.320	0.253
Ultimate tensile strength of conductor based on 170N/mm ² (calculated) (kN)	4.1	5.6	7.6	1	15.3	19.4

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PVC INSULATED ARMoured CABLES FOR VOLTAGES OF 600/1000V

BS 6346 / IEC 60502



Conductor :	class 2 (annealed plain copper, aluminium) BS 6360
Insulation:	PVC TI1 (70°C) BS 7655
Inner & outer sheath:	PVC TI1 (70°C) BS 7655
Identification of core:	black /red
Armouring:	Aluminium wire armour

SINGLE-CORE CABLES WITH CIRCULAR STRANDED COPPER/ALUMINIUM CONDUCTOR

Nominal cross sectional area of conductor ^a	Thickness of insulation	Thickness of inner sheath	Nominal Aluminium armour wire diameter	Thickness of outer sheath	Approximate overall diameter
mm ²	mm	mm	mm	mm	mm
50	1.4	0.8	1.25	1.5	19.1
70	1.4	0.8	1.25	1.6	21.1
95	1.6	0.8	1.25	1.6	23.4
120	1.6	1.0	1.6	1.7	26.3
150	1.8	1.0	1.6	1.7	28.3
185	2.0	1.0	1.6	1.8	30.8
240	2.2	1.0	1.6	1.9	34.1
300	2.4	1.0	1.6	1.9	37.0
400	2.6	1.2	2.0	2.1	42.0

a circular stranded conductor (class 2).

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PVC INSULATED ARMoured CABLES FOR VOLTAGES OF 600/1000V

BS 6346 / IEC 60502



Conductor :	class 2 (annealed plain copper, aluminium) BS 6360
Insulation:	PVC TI1 (70°C) BS 7655
Inner & outer sheath:	PVC TI1 (70°C) BS 7655
Identification of cores:	brown, blue/red, black
Armouring:	Steel wire armour

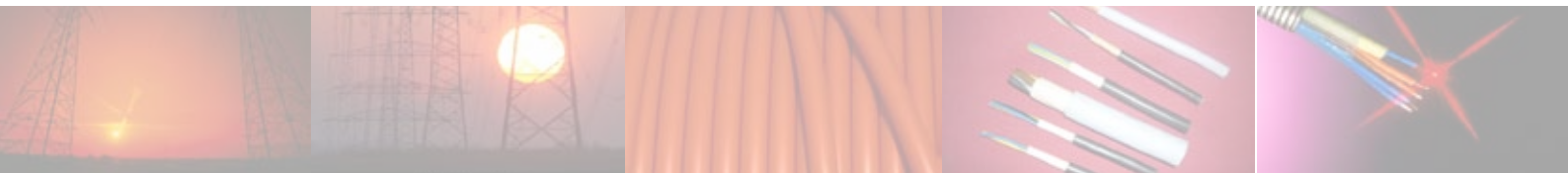
TWO-CORE CABLES WITH STRANDED COPPER/ALUMINIUM CONDUCTOR

Nominal cross sectional area of conductor	Thickness of insulation	Thickness of inner sheath	Nominal steel armour wire diameter	Thickness of outer sheath	Approximate overall diameter
mm ²	mm	mm	mm	mm	mm
1.5 ^a	0.6	0.8	0.90	1.4	12.3
2.5 ^a	0.7	0.8	0.90	1.4	13.6
4 ^a	0.8	0.8	0.90	1.4	15.1
6 ^a	0.8	0.8	0.90	1.5	16.5
10 ^a	1.0	0.8	1.25	1.6	20.1
16 ^a	1.0	0.8	1.25	1.6	21.9
25 ^b	1.2	1.0	1.60	1.7	23.0
25 ^a	1.2	1.0	1.60	1.7	26.7
35 ^b	1.2	1.0	1.60	1.8	24.8
35 ^a	1.2	1.0	1.60	1.8	29.2
50 ^b	1.4	1.0	1.60	1.9	27.8
70 ^b	1.4	1.0	1.60	1.9	30.4
95 ^b	1.6	1.2	2.00	2.1	35.5
120 ^b	1.6	1.2	2.00	2.2	38.0

a circular stranded conductor (class 2)

b sector shaped stranded conductor (class 2)

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PVC INSULATED ARMoured CABLES FOR VOLTAGES OF 600/1000V

BS 6346 / IEC 60502



Conductor :	class 2 (annealed plain copper, aluminium) BS 6360
Insulation:	PVC TI1 (70°C) BS 7655
Inner & outer sheath:	PVC TI1 (70°C) BS 7655
Identification of cores:	brown, black, grey/ red, yellow, blue
Armouring:	Steel wire armour

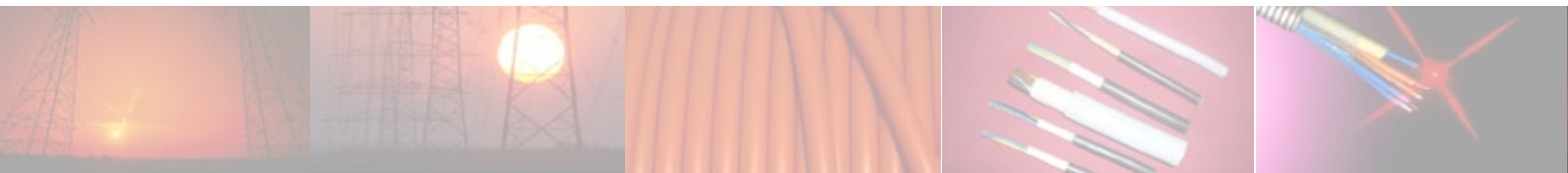
THREE-CORE CABLES WITH CIRCULAR STRANDED COPPER/ALUMINIUM CONDUCTOR

Nominal cross sectional area of conductor	Thickness of insulation	Thickness of inner sheath	Nominal steel armour wire diameter	Thickness of outer sheath	Approximate overall diameter
mm ²	mm	mm	mm	mm	mm
1.5 ^a	0.6	0.8	0.90	1.4	12.8
2.5 ^a	0.7	0.8	0.90	1.4	14.1
4 ^a	0.8	0.8	0.90	1.4	15.8
6 ^a	0.8	0.8	1.25	1.5	18.0
10 ^a	1.0	0.8	1.25	1.6	21.2
16 ^a	1.0	0.8	1.25	1.6	23.1
25 ^b	1.2	1.0	1.60	1.7	25.0
25 ^a	1.2	1.0	1.60	1.7	28.2
35 ^b	1.2	1.0	1.60	1.8	27.1
35 ^a	1.2	1.0	1.60	1.8	30.8
50 ^b	1.4	1.0	1.60	1.9	30.5
70 ^b	1.4	1.2	2.00	2.0	35.0
95 ^b	1.6	1.2	2.00	2.1	39.3
120 ^b	1.6	1.2	2.00	2.2	42.2

a circular stranded conductor (class 2)

b sector shaped stranded conductor (class 2)

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**PVC INSULATED ARMoured CABLES FOR VOLTAGES OF 600/1000V**

BS 6346 / IEC 60502



Conductor :	class 2 (annealed plain copper, aluminium) BS 6360
Insulation:	PVC TI1 (70°C) BS 7655
Inner & outer sheath:	PVC TI1 (70°C) BS 7655
Identification of cores:	blue, brown, black, grey/red, yellow, blue, black
Armouring:	Steel wire armour

FOUR-CORE CABLES WITH CIRCULAR STRANDED COPPER/ALUMINIUM CONDUCTOR

Nominal cross sectional area of conductor	Thickness of insulation	Thickness of inner sheath	Nominal steel armour wire diameter	Thickness of outer sheath	Approximate overall diameter
mm ²	mm	mm	mm	mm	mm
1.5 ^a	0.6	0.8	0.90	1.4	13.5
2.5 ^a	0.7	0.8	0.90	1.4	15.0
4 ^a	0.8	0.8	1.25	1.5	17.8
6 ^a	0.8	0.8	1.25	1.5	19.2
10 ^a	1.0	0.8	1.25	1.6	22.8
16 ^a	1.0	1.0	1.60	1.7	26.3
25 ^b	1.2	1.0	1.60	1.8	27.8
25 ^a	1.2	1.0	1.60	1.8	30.7
35 ^b	1.2	1.0	1.60	1.9	30.3
35 ^a	1.2	1.0	1.60	1.9	33.7
50 ^b	1.4	1.2	2.00	2.0	35.4
70 ^b	1.4	1.2	2.00	2.1	39.2
95 ^b	1.6	1.2	2.00	2.2	44.3

a circular stranded conductor (class 2)

b sector shaped stranded conductor (class 2)

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PVC INSULATED ARMoured CABLES FOR VOLTAGES OF 600/1000V

BS 6346 / IEC 60502



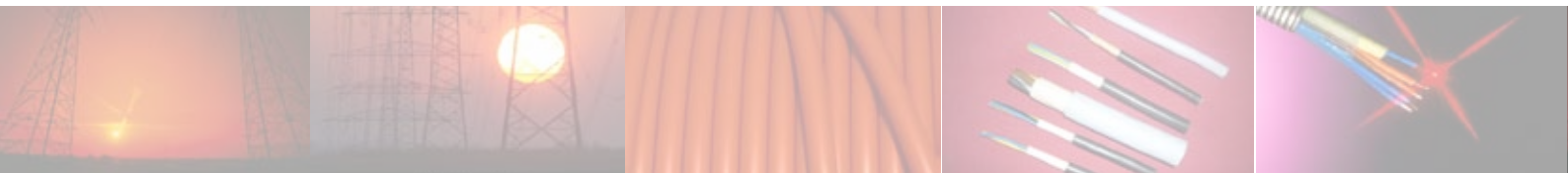
Conductor :	class 2 (annealed plain copper, aluminium) BS 6360
Insulation:	PVC TI1 (70°C) BS 7655
Inner & outer sheath:	PVC TI1 (70°C) BS 7655
Identification of core:	green-yellow, blue, brown, black, grey /red, yellow, blue, black, green-yellow
Armouring:	Steel wire armour

FIVE-CORE CABLES WITH STRANDED COPPER/ ALUMINIUM CONDUCTOR

Nominal cross sectional area of conductor ^a	Thickness of insulation	Thickness of inner sheath	Nominal steel armour wire diameter	Thickness of outer sheath	Approximate overall diameter
mm ²	mm	mm	mm	mm	mm
1.5	0.6	0.8	0.9	1.4	14.3
2.5	0.7	0.8	0.9	1.5	16.3
4	0.8	0.8	1.25	1.5	19
6	0.8	0.8	1.25	1.6	20.9
10	1.0	1.0	1.6	1.7	25.8
16	1.0	1.0	1.6	1.7	28.4
25	1.2	1.0	1.6	1.9	33.5
35	1.2	1.0	1.6	1.9	36.6
50	1.4	1.2	2.0	2.1	43

a circular stranded conductor (class 2)

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PVC INSULATED ARMoured CABLES FOR VOLTAGES OF 600/1000V

BS 6346 / IEC 60502



Conductor :	class 2 (annealed plain copper) BS 6360
Insulation:	PVC TI1 (70°C) BS 7655
Inner & outer sheath:	PVC TI1 (70°C) BS 7655
Identification of cores:	number printing on white/black insulation, one is green-yellow
Armouring:	Steel wire armour

ARMoured AUXILIARY CABLES

Number of cores	Nominal cross sectional area of conductor ^a	Thickness of insulation	Thickness of inner sheath	Nominal steel armour wire diameter	Thickness of outer sheath	Approximate overall diameter
	mm ²	mm	mm	mm	mm	mm
7	1.5	0.6	0.8	0.9	1.4	14.3
12			0.8	1.3	1.5	15.2
19			0.8	1.3	1.6	19.4
27			1.0	1.6	1.7	22.2
37			1.0	1.6	1.8	26.7
7	2.5	0.7	0.8	0.9	1.5	18
12			0.8	1.3	1.6	22.4
19			1.0	1.3	1.7	26.6
27			1.0	1.6	1.8	30.7
37			1.0	1.6	1.9	34.0

a circular stranded conductor (class 2)

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PVC INSULATED MULTICORE UNARMoured CABLES FOR VOLTAGES OF 600/1000V

BS 6346 / IEC 60502



Conductor :	class 2 (annealed plain copper or aluminium) BS 6360
Insulation:	PVC TI1 (70°C) BS 7655
Inner & outer sheath:	PVC TI1 (70°C) BS 7655
Identification of cores:	two core - brown, blue / three-core - brown, black, grey four-core - blue, brown, black, grey / five core - green-yellow, blue, brown, black, grey

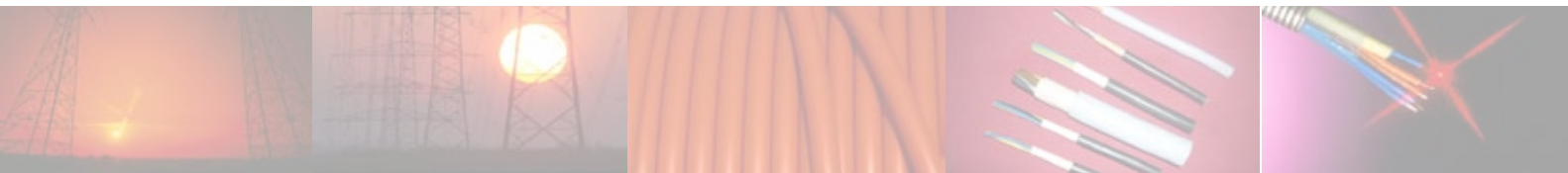
Nominal cross sectional area of conductor ^a	Thickness of insulation	Thickness of inner sheath	Thickness of outer sheath	Approximate overall diameter
mm ²	mm	mm	mm	mm
TWO-CORE CABLES				
1.5 ^a	0.6	0.8	1.4	12.1
2.5 ^a	0.7	0.8	1.4	12.9
4 ^a	0.8	0.8	1.4	14.9
6 ^a	0.8	0.8	1.5	15.9
10 ^a	1.0	0.8	1.6	17.8
16 ^a	1.0	0.8	1.6	19.8
25 ^b	1.2	1.0	1.7	23.3
35 ^b	1.2	1.0	1.8	25.6
50 ^b	1.4	1.0	1.9	26.6
70 ^b	1.4	1.0	1.9	29.2
95 ^b	1.6	1.2	2.1	33.5
THREE-CORE CABLES				
1.5 ^a	0.6	0.8	1.4	12.6
2.5 ^a	0.7	0.8	1.4	13.5
4 ^a	0.8	0.8	1.4	15.6
6 ^a	0.8	0.8	1.5	16.7
10 ^a	1.0	0.8	1.6	18.9
16 ^a	1.0	0.8	1.6	22.1
25 ^b	1.2	1.0	1.7	23.0
35 ^b	1.2	1.0	1.8	27.7
50 ^b	1.4	1.0	1.9	27.2
70 ^b	1.4	1.2	2.0	31.6
95 ^b	1.6	1.2	2.1	35.5

PVC INSULATED MULTICORE UNARMoured CABLES FOR VOLTAGES OF 600/1000V
 BS 6346 / IEC 60502 (CON'TD)


Nominal cross sectional area of conductor ^a	Thickness of insulation	Thickness of inner sheath	Thickness of outer sheath	Approximate overall diameter
mm ²	mm	mm	mm	mm
FOUR-CORE CABLES				
1.5 ^a	0.6	0.8	1.4	12.1
2.5 ^a	0.7	0.8	1.4	14.6
4 ^a	0.8	0.8	1.4	16.6
6 ^a	0.8	0.8	1.5	19.0
10 ^a	1.0	0.8	1.6	21.4
16 ^a	1.0	0.8	1.70	24.5
25 ^b	1.2	1.0	1.80	25.9
35 ^b	1.2	1.0	1.90	28.4
50 ^b	1.4	1.0	2.00	32.1
70 ^b	1.4	1.2	2.10	36.1
95 ^b	1.6	1.2	2.20	40.7
FIVE-CORE CABLES				
1.5 ^a	0.6	0.8	1.4	13.1
2.5 ^a	0.7	0.8	1.5	15.8
4 ^a	0.8	0.8	1.5	17.8
6 ^a	0.8	0.8	1.6	19.6
10 ^a	1.0	1.0	1.7	23.7
16 ^a	1.0	1.0	1.7	26.6
25 ^a	1.2	1.0	1.9	31.6
35 ^a	1.2	1.0	1.9	34.7
50 ^a	1.4	1.2	2.1	40.2

a circular stranded conductor (class 2)

b sector shaped stranded conductor (class 2)



CONTROL CABLES FOR VOLTAGES OF 600/1000V

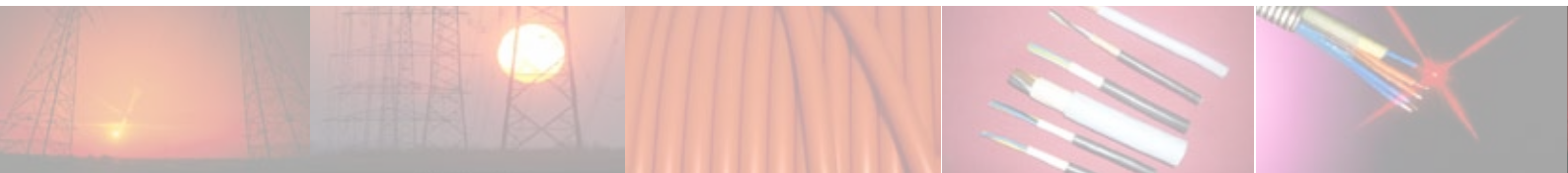
BS 6346 / IEC 60502



Conductor : class 1&2 (annealed plain copper) BS 6360
 Insulation: PVC TI1 (70°C) BS 7655
 Inner & outer sheath: PVC TI1 (70°C) BS 7655
 Identification of cores: five core - green-yellow, blue, brown, black, grey
 above 5-core - number printing on white/black insulation, one is green-yellow

Number of cores and nominal cross sectional area of conductor	Thickness of insulation	Thickness of inner sheath	Thickness of outer sheath	Approximate overall diameter
mm ²	mm	mm	mm	mm
7 x 1.5	0.6	0.8	1.4	15.3
10 x 1.5	0.6	0.8	1.5	18.5
12 x 1.5	0.6	0.8	1.5	19
14 x 1.5	0.6	0.8	1.6	19.8
16 x 1.5	0.6	0.8	1.6	20.7
19 x 1.5	0.6	0.8	1.6	21.7
24 x 1.5	0.6	1.0	1.7	24.9
30 x 1.5	0.6	1.0	1.8	26.2
37 x 1.5	0.6	1.0	1.8	28.1
7 x 2.5	0.7	0.8	1.5	16.5
10 x 2.5	0.7	0.8	1.6	20.1
12 x 2.5	0.7	0.8	1.6	20.7
14 x 2.5	0.7	1.0	1.7	21.6
16 x 2.5	0.7	1.0	1.7	22.6
19 x 2.5	0.7	1.0	1.7	23.7
24 x 2.5	0.7	1.0	1.8	27.3
30 x 2.5	0.7	1.0	1.9	28.3
37 x 2.5	0.7	1.0	1.9	30.9

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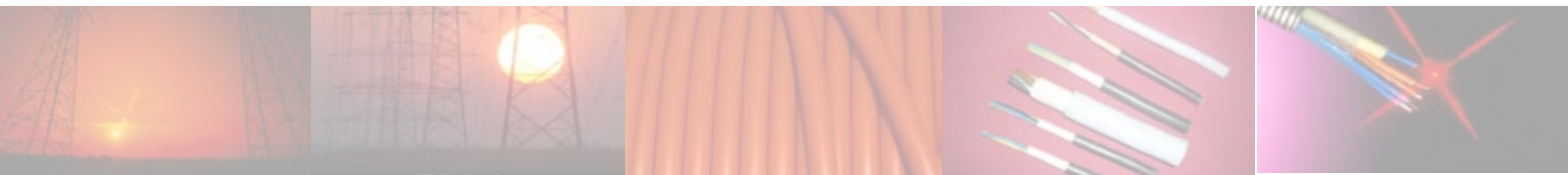
CONTROL CABLES FOR VOLTAGES OF 600/1000V

gen. BS 6346 / IEC 60502 (CON'TD)



Number of cores and nominal cross sectional area of conductor	Thickness of insulation	Thickness of inner sheath	Thickness of outer sheath	Approximate overall diameter
7 x 4	0.8	0.8	1.6	19.4
10 x 4	0.8	1.0	1.6	24
12 x 4	0.8	1.0	1.6	24.7
14 x 4	0.8	1.0	1.7	25.9
16 x 4	0.8	1.0	1.7	27.2
19 x 4	0.8	1.0	1.7	28.6
24 x 4	0.8	0.8	2.0	33.4
30 x 4	0.8	0.8	2.10	35.5
37 x 4	0.8	1.0	2.10	38.2

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ARMoured ELECTRIC Cables WITH THERMOSETTING INSULATION (XLPE) 600/1000V BS 5467 / IEC 60502



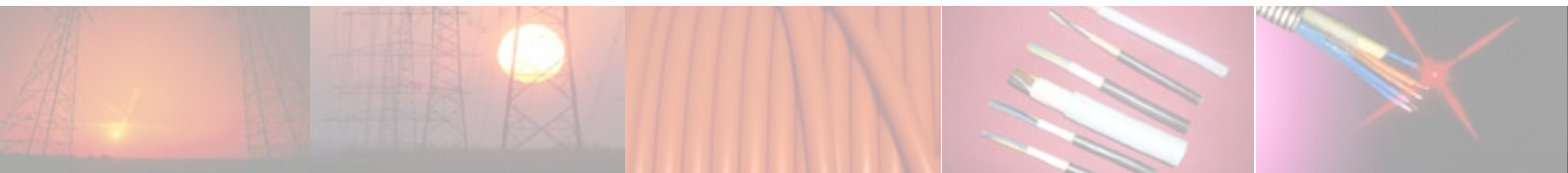
Conductor :	class 2 (annealed plain copper, aluminium) BS 6360
Insulation:	XLPE Gp8 (90°C) BS 7655
Inner and outer sheath:	PVC Type 9 (90°C) BS 7655
Identification of core:	black/red
Armouring:	Aluminium wire amour

SINGLE-CORE Cables WITH CIRCULAR STRANDED COPPER/ALUMINIUM CONDUCTOR

Nominal cross sectional area of conductor ^a	Thickness of insulation	Thickness of inner sheath	Nominal Aluminium armour wire diameter	Thickness of outer sheath	Approximate overall diameter
mm ²	mm	mm	mm	mm	mm
50	1.0	0.8	0.9	1.5	17.5
70	1.1	0.8	1.25	1.5	20.2
95	1.1	0.8	1.25	1.6	22.3
120	1.2	0.8	1.25	1.6	24.2
150	1.4	1.0	1.6	1.7	27.4
185	1.6	1.0	1.6	1.8	30.0
240	1.7	1.0	1.6	1.8	32.8
300	1.8	1.0	1.6	1.9	35.6
400	2.0	1.2	2.0	2.0	40.5

a circular stranded conductor (class 2).

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ARMoured ELECTRIC Cables WITH THERMOSETTING INSULATION (XLPE) 600/1000V
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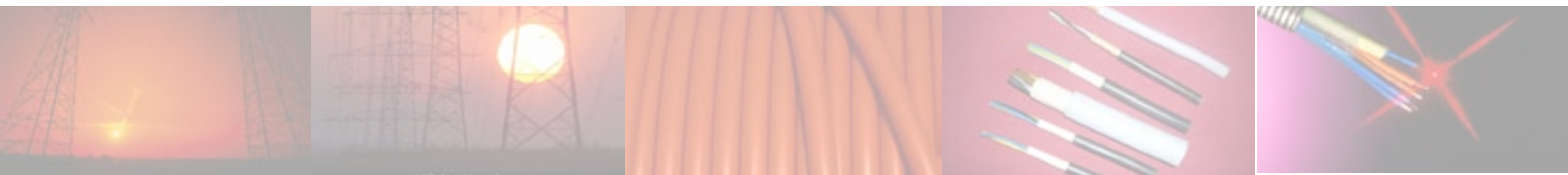

Conductor :	class 2 (annealed plain copper, aluminium) BS 6360
Insulation:	XLPE Gp8 (90°C) BS 7655
Inner and outer sheath:	PVC Type 9 (90°C) BS 7655
Identification of cores:	brown, blue/ red, black
Armouring:	Steel wire armour

TWO-CORE Cables WITH STRANDED COPPER /ALUMINIUM CONDUCTOR

Nominal cross sectional area of conductor	Thickness of insulation	Thickness of inner sheath	Nominal steel armour wire diameter	Thickness of outer sheath	Approximate overall diameter
mm ²	mm	mm	mm	mm	mm
1.5 ^a	0.6	0.8	0.90	1.3	12.1
2.5 ^a	0.7	0.8	0.90	1.4	13.6
4 ^a	0.7	0.8	0.90	1.4	14.7
6 ^a	0.7	0.8	0.90	1.4	15.9
10 ^a	0.7	0.8	0.90	1.5	18.0
16 ^a	0.7	0.8	1.25	1.5	20.4
25 ^b	0.9	0.8	1.25	1.6	20.4
25 ^a	0.9	0.8	1.25	1.6	24.1
35 ^b	0.9	1.0	1.60	1.7	23.3
35 ^a	0.9	1.0	1.60	1.7	27.7
50 ^b	1.0	1.0	1.60	1.8	25.8
70 ^b	1.1	1.0	1.60	1.9	29.0
95 ^b	1.1	1.2	2.00	2.0	33.1
120 ^b	1.2	1.2	2.00	2.1	36.1

a circular stranded conductor (class 2)

b sector shaped stranded conductor (class 2)



ARMoured ELECTRIC CABLES WITH THERMOSETTING INSULATION (XLPE) 600/1000V BS 5467 / IEC 60502



Conductor : class 2 (annealed plain copper, aluminium) BS 6360
 Insulation: XLPE Gp8 (90°C) BS 7655
 Inner and outer sheath: PVC Type 9 (90°C) BS 7655
 Identification of cores: brown, black, grey/ red, yellow, blue
 Armouring: Steel wire armour

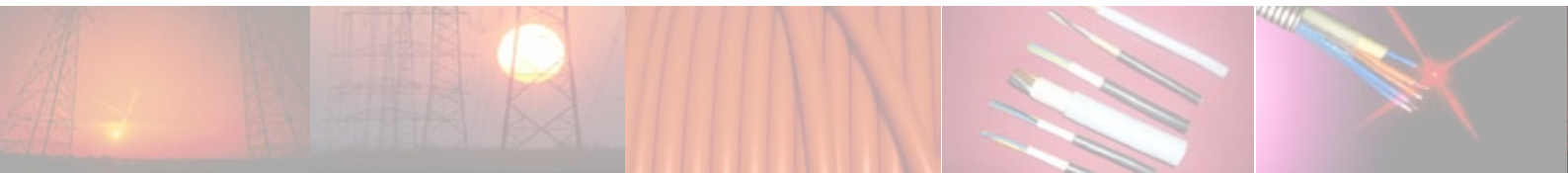
THREE-CORE CABLES WITH STRANDED COPPER/ ALUMINIUM CONDUCTOR

Nominal cross sectional area of conductor	Thickness of insulation	Thickness of inner sheath	Nominal steel armour wire diameter	Thickness of outer sheath	Approximate overall diameter
mm ²	mm	mm	mm	mm	mm
1.5 ^a	0.6	0.8	0.90	1.3	12.6
2.5 ^a	0.7	0.8	0.90	1.4	14.1
4 ^a	0.7	0.8	0.90	1.4	15.3
6 ^a	0.7	0.8	0.90	1.4	16.6
10 ^a	0.7	0.8	1.25	1.5	19.5
16 ^a	0.7	0.8	1.25	1.6	21.6
25 ^b	0.9	1.0	1.60	1.7	23.6
25 ^a	0.9	1.0	1.60	1.7	26.7
35 ^b	0.9	1.0	1.60	1.8	25.7
35 ^a	0.9	1.0	1.60	1.8	29.4
50 ^b	1.0	1.0	1.60	1.8	28.5
70 ^b	1.1	1.0	1.60	1.9	32.2
95 ^b	1.1	1.2	2.00	2.1	37.0
120 ^b	1.2	1.2	2.00	2.2	40.0

a circular stranded conductor (class 2)

b sector shaped stranded conductor (class 2)

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ARMoured ELECTRIC Cables WITH THERMOSETTING INSULATION (XLPE) 600/1000V

BS 5467 / IEC 60502



Conductor :	class 2 (annealed plain copper, aluminium) BS 6360
Insulation:	XLPE Gp8 (90°C) BS 7655
Inner, outer sheath:	PVC Type 9 (90°C) BS 7655
Identification of cores:	blue, brown, black, grey/ red, yellow, blue, black
Armouring:	Steel wire armour

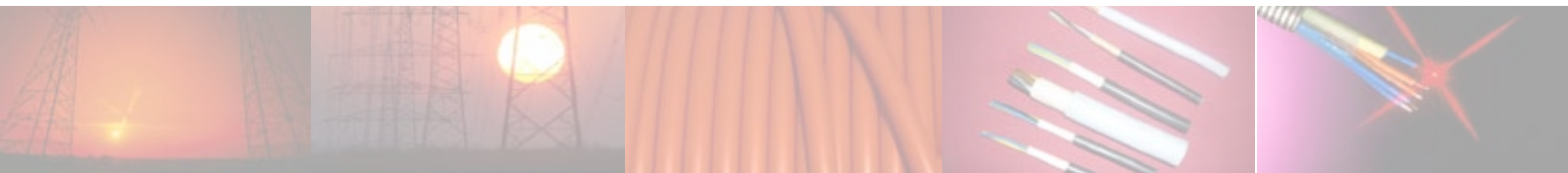
FOUR-CORE Cables WITH STRANDED COPPER/ ALUMINIUM CONDUCTOR

Nominal cross sectional area of conductor	Thickness of insulation	Thickness of inner sheath	Nominal steel armour wire diameter	Thickness of outer sheath	Approximate overall diameter
mm ²	mm	mm	mm	mm	mm
1.5 ^a	0.6	0.8	0.90	1.3	13.3
2.5 ^a	0.7	0.8	0.90	1.4	15.0
4 ^a	0.7	0.8	0.90	1.4	16.4
6a	0.7	0.8	1.25	1.5	18.7
10 ^a	0.7	0.8	1.25	1.5	21.1
16 ^a	0.7	0.8	1.25	1.6	23.4
25 ^b	0.9	1.0	1.60	1.7	26.1
25 ^a	0.9	1.0	1.60	1.7	28.9
35 ^b	0.9	1.0	1.60	1.8	28.6
35 ^a	0.9	1.0	1.60	1.8	31.9
50 ^b	1.0	1.0	1.60	1.9	32.0
70 ^b	1.1	1.2	2.00	2.1	37.7
95 ^b	1.1	1.2	2.00	2.2	41.7

a circular stranded conductor (class 2)

b sector shaped stranded conductor (class 2)

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ARMoured ELECTRIC Cables WITH THERMOSETTING INSULATION (XLPE) 600/1000'

BS 5467 / IEC 60502



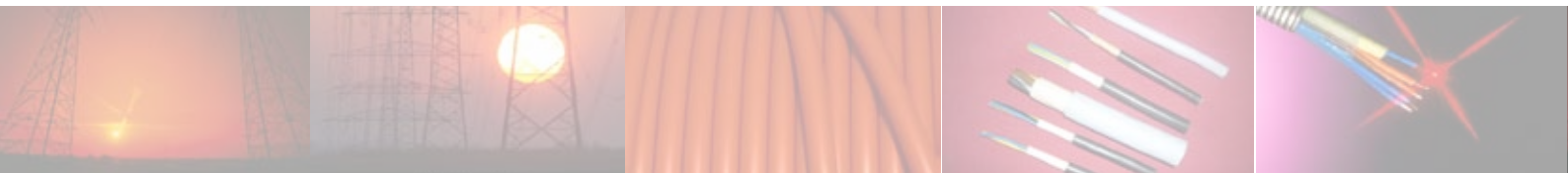
Conductor :	class 2 (annealed plain copper, aluminium) BS 6360
Insulation:	XLPE Gp8 (90°C) BS 7655
Inner, outer sheath:	PVC Type 9 (90°C) BS 7655
Identification of cores:	green-yellow, blue, brown, black, grey/ red, yellow, blue, black, green-yellow
Armouring:	Steel wire armour

FIVE-CORE Cables WITH STRANDED COPPER /ALUMINIUM CONDUCTOR

Nominal cross sectional area of conductor ^a	Thickness of insulation	Thickness of inner sheath	Nominal steel armour wire diameter	Thickness of outer sheath	Approximate overall diameter
mm ²	mm	mm	mm	mm	mm
1.5	0.6	0.8	0.9	1.4	14.3
2.5	0.7	0.8	0.9	1.4	16.1
4	0.7	0.8	0.9	1.5	17.8
6	0.7	0.8	1.25	1.5	20
10	0.7	0.8	1.25	1.6	22.9
16	0.7	1.0	1.60	1.7	26.6
25	0.9	1.0	1.6	1.8	31.5
35	0.9	1.0	1.6	1.9	34.8
50	1.0	1.2	2.0	2.0	40.4

a circular stranded conductor (class 2)

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THERMOSETTING INSULATED (XLPE), UNARMoured CABLES FOR A VOLTAGE OF 600/1000V
BS 7889



Conductor : class2 annealed plain copper / Aluminium BS 6360
 Insulation: XLPE Gp8 (90°C) BS 7655
 Outer sheath: PVC Type 9 (90°C) BS 7655
 Identification of cores: Red

SINGLE CORE CABLES WITH CIRCULAR STRANDED COPPER/ALUMINIUM CONDUCTOR

Nominal cross sectional area of conductor ^a	Thickness of insulation	Thickness of outer sheath	Approximate overall diameter
mm ²	mm	mm	mm
50	1.0	1.4	14.2
70	1.1	1.4	16.2
95	1.1	1.5	18.3
120	1.2	1.5	20.2
150	1.4	1.6	22.4
185	1.6	1.6	24.7
240	1.7	1.7	27.7
300	1.8	1.8	30.6
400	2.2	1.9	34.2
500	2.2	2.0	38.0
630	2.4	2.2	42.9

a circular stranded conductor (class 2).

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