



# BS 5467 Armoured Power Cables, 1900/3300V

## Application

These cables are used for power and control circuits, they can offer excellent protection through the use of a heavy galvanized steel wire armour. The GSWA makes them suitable for use inside and outside buildings or for direct burial in the ground.

## Construction

<b>Conductor</b>	Solid Aluminum or Annealed Copper conductor, circular or shaped, Class 2 to BS EN60228.
<b>Insulation</b>	XLPE (Cross-Linked Polyethylene) Type GP 8 conforming to BS 7655-1.3 or type GP 6 conforming to BS 7655-1.2.
<b>Colour Code</b>	1 Core : Brown 3 Cores: Brown, Black, Grey
<b>Bedding</b>	The bedding shall consist of an extruded layer of polymeric material consistent with the operating temperature of the cable.
<b>Armour</b>	Single Core: AWA (Aluminum Wire Armour) Multi Core: GSWA (Galvanized Steel Wire Armour)
<b>Outer Sheath</b>	Extruded PVC, type 9 specified in BS7655-4.2.

## Technical Information

<b>Voltage rating</b>	1900/3300V
<b>Temperature rating</b>	0°C to +90°C
<b>Min. bending radius</b>	8 x overall diameter
<b>Flame retardant</b>	BS EN 60332-1-2

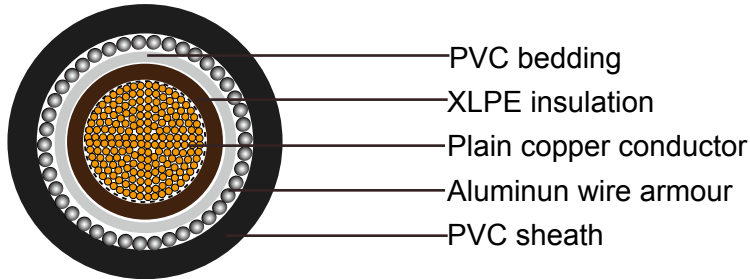


# Addison Cables

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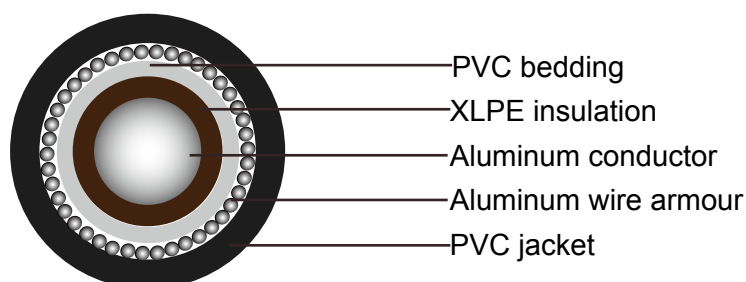
### Cable Parameter

#### Single-core 1900/3300 V cables with circular stranded copper conductor



Nominal Cross-sectional Area	Strand Type	Nominal Insulation thickness	Nominal bedding thickness	Nominal Alum Wire Armor dia.	Nominal Sheath thickness	Approx. Overall Diameter	Approx Weight
mm <sup>2</sup>	No./mm	mm	mm	mm	mm	mm	kg/km
1x50	19/1.78	2	0.8	1.25	1.6	20.6	790
1x70	19/2.14	2	0.8	1.25	1.6	22.4	1040
1x95	19/2.52	2	0.8	1.25	1.6	24.3	1330
1x120	37/2.03	2	1	1.6	1.7	27.2	1680
1x150	37/2.25	2	1	1.6	1.7	28.8	1970
1x185	37/2.52	2	1	1.6	1.8	30.8	2370
1x240	61/2.25	2	1	1.6	1.8	33.5	2960
1x300	61/2.52	2	1	1.6	1.9	36.1	3610
1x400	61/2.85	2	1.2	2	2	40.5	4600
1x500	61/3.20	2.2	1.2	2	2.1	44.2	5680
1x630	127/2.52	2.4	1.2	2	2.2	48.8	7160
1x800	127/2.85	2.6	1.4	2.5	2.4	55.4	9150
1x1000	127/3.20	2.8	1.4	2.5	2.5	60.6	11270

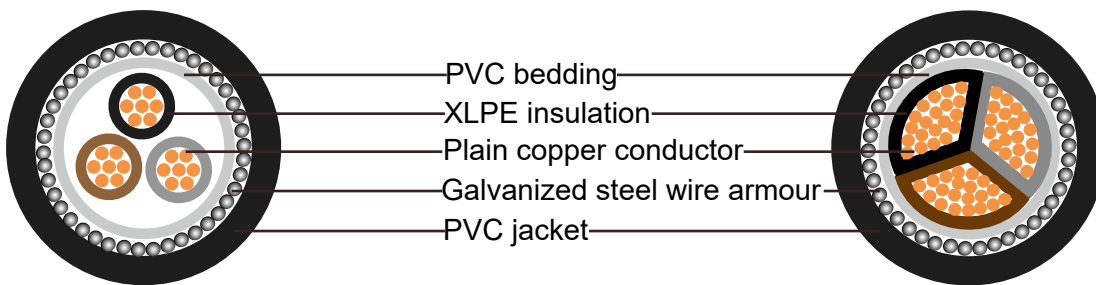
#### Single-core 1900/3300 V cables with solid aluminum conductor





Nominal Cross-sectional Area	Nominal Insulation thickness	Nominal bedding thickness	Nominal Alum Wire Armor dia.	Nominal Sheath thickness	Approx. Overall Diameter	Approx Weight
mm <sup>2</sup>	mm	mm	mm	mm	mm	kg/km
1x50	2	0.8	1.25	1.6	19.4	600
1x70	2	0.8	1.25	1.6	20.9	710
1x95	2	0.8	1.25	1.6	22.5	810
1x120	2	1	1.6	1.7	25.2	1065
1x150	2	1	1.6	1.7	26.5	1210
1x185	2	1	1.6	1.8	28.3	1390
1x240	2	1	1.6	1.8	30.5	1630
1x300	2	1	1.6	1.9	32.8	1900

### Three-core 1900/3300 V cables with stranded copper conductors



Nominal Cross-sectional Area	Strand Type	Nominal Insulation thickness	Nominal bedding thickness	Nominal Steel Wire Armor dia.	Nominal Sheath thickness	Approx. Overall Diameter	Approx Weight
mm <sup>2</sup>	No./mm	mm	mm	mm	mm	mm	kg/km
3x16	7/1.70	2	1	1.6	1.8	29.3	1600
3x25	7/2.14	2	1	1.6	1.8	32.2	2060
3x35	7/2.52	2	1	1.6	1.9	34.8	2400
3x35*	7/2.52	2	1	1.6	1.9	31.1	2400
3x50*	19/1.78	2	1.2	2	2	34.7	3200
3x70*	19/2.14	2	1.2	2	2.1	38	3800
3x95*	19/2.52	2	1.2	2	2.2	41.4	4730
3x120*	37/2.03	2	1.4	2.5	2.3	45.7	6070
3x150*	37/2.25	2	1.4	2.5	2.4	48.5	7010
3x185*	37/2.52	2	1.4	2.5	2.5	51.9	8270
3x240*	61/2.25	2	1.6	2.5	2.6	56.9	10310
3x300*	61/2.52	2	1.6	2.5	2.7	61.2	12300
3x400*	61/2.85	2	1.6	2.5	2.9	66.6	14500

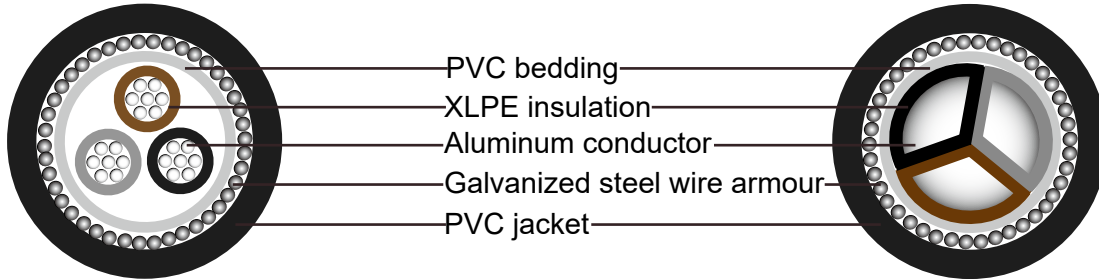
\* Shaped stranded conductor (class 2)



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### Three-core 1900/3300 V cables with solid aluminum conductors



Nominal Cross-sectional Area	Nominal Insulation thickness	Nominal bedding thickness	Nominal Steel Wire Armor dia.	Nominal Sheath thickness	Approx. Overall Diameter	Approx Weight
mm <sup>2</sup>	mm	mm	mm	mm	mm	kg/km
3x16	2	1	1.6	1.8	27.9	1540
3x25	2	1	1.6	1.8	30.4	1780
3x35	2	1	1.6	1.9	32.7	2040
3x35*	2	1	1.6	1.9	29.7	2040
3x50*	2	1.2	2	2	33	2760
3x70*	2	1.2	2	2.1	36	3210
3x95*	2	1.2	2	2.2	39.1	3625
3x120*	2	1.4	2.5	2.3	43.1	4820
3x150*	2	1.4	2.5	2.4	45.6	5410
3x185*	2	1.4	2.5	2.5	48.7	6070
3x240*	2	1.6	2.5	2.6	53.2	7150
3x300*	2	1.6	2.5	2.7	57.2	8120

\* Solid shaped conductor (class 1)