

# Ex Industries

## Armored Power Cables to BS5467

**XLPE/PVC/SWA/PVC 600/1000V & 1900/3300V**

### APPLICATION

Armored cables for use in fixed installations for use indoor, outdoor or for direct burial.

### Specifications

- In accordance with BS5467
- **Conductor:** Stranded (Class 2) copper conductors to BS6360.
- **Insulation:** XLPE Insulation Type GP8 to BS7655
- **Inner Sheath:** PVC inner sheath Type 9 to BS7655
- **Outer Sheath:** Black PVC outer sheath Type 9 to BS7655.
- Flame retardant to BS4066 Part 1.
- **Temp. Rating:** 90 degrees C max conductor operating temperature
- **Voltage Rating:** 600/1000V

Number of Cores	Nominal Conductor Area MM	Insulation Thickness MM	Diameter Under Armor	Armor Wire Size MM	Nom. O/D MM	Approx. Weight hg/hm	Min Bending Radius MM
2	1.5	0.6	7.7	0.9	12.3	295	80
2	2.5	0.7	9.0	0.9	13.6	345	90
2	4	0.7	10.1	0.9	14.7	409	90
2	6	0.7	11.3	0.9	15.9	485	100
2	10	0.7	13.2	0.9	18.0	635	110
2	16	0.7	14.7	1.25	20.0	900	120
2	25	0.9	18.4	1.25	24.1	1060	150
2	35	0.9	21.3	1.6	27.9	1490	170
2	50	1.0	19.0	1.6	28.8	1800	210
2	70	1.1	22.0	1.6	29.0	2320	240
2	95	1.1	25.1	2.0	33.1	3160	270
2	120	1.2	27.9	2.0	36.1	3790	290
2	150	1.4	30.9	2.0	39.3	4500	320
2	185	1.6	34.9	2.5	44.7	5820	360
2	240	1.7	39.0	2.5	49.0	7220	400
2	300	1.8	43.3	2.5	53.5	8710	430
2	400	2.0	48.4	2.5	59.0	11100	480

#### Notes:

All dimensions must be verified at time of ordering.

Other sizes available upon request.

Minimum quantities may be required.

Ex Industries 22755 Savi Ranch Parkway Yorba Linda Ca 92887 1-800-990-4394

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Number of Cores	Nominal Conductor Area MM	Insulation Thickness MM	Diameter Under Armor	Armor Wire Size MM	Nom. O/D MM	Approx. Weight hg/hm	Min Bending Radius MM
3	1.5	0.6	8.2	0.9	12.8	330	80
3	2.5	0.7	9.5	0.9	14.1	390	90
3	4	0.7	10.7	0.9	15.3	470	100
3	6	0.7	12.0	0.9	16.6	570	100
3	10	0.7	14.0	1.25	19.5	880	120
3	16	0.7	15.5	1.25	21.2	1070	130
3	25	0.9	20.1	1.6	26.7	1550	170
3	35	0.9	22.8	1.6	29.6	1940	180
3	50	1.0	21.7	1.6	30.9	1800	230
3	70	1.1	25.2	1.6	32.2	3120	260
3	95	1.1	28.8	2.0	37.0	4310	300
3	120	1.2	32.0	2.0	40.4	5160	330
3	150	1.4	35.9	2.5	45.5	6610	370
3	185	1.6	40.0	2.5	49.8	7920	400
3	240	1.7	44.9	2.5	55.1	9930	450
3	300	1.8	49.8	2.5	60.2	1197	490
3	400	2.0	55.8	2.5	66.6	14770	540

Number of Cores	Nominal Conductor Area MM	Insulation Thickness MM	Diameter Under Armor	Armor Wire Size MM	Nom. O/D MM	Approx. Weight hg/hm	Min Bending Radius MM
4	1.5	0.6	8.9	0.9	13.5	380	90
4	2.5	0.7	10.4	0.9	15.0	450	90
4	4	0.7	11.8	0.9	15.4	560	100
4	6	0.7	13.2	1.25	18.7	790	120
4	10	0.7	15.6	1.25	21.1	1040	130
4	16	0.7	17.2	1.25	22.9	1300	140
4	25	0.9	22.3	1.6	28.9	1880	180
4	35	0.9	25.3	1.6	32.1	2350	200
4	50	1.0	25.0	1.6	32.0	2950	260
4	70	1.1	29.5	2.0	37.7	4230	320
4	95	1.1	33.3	2.0	41.7	5390	340
4	120	1.2	37.5	2.5	47.1	6890	380
4	150	1.4	41.6	2.5	51.4	8300	420
4	185	1.6	46.4	2.5	56.6	10070	460
4	240	1.7	52.6	2.5	63.0	12680	510
4	300	1.8	58.0	2.5	68.8	15380	560
4	400	2.0	65.4	3.15	78.1	19950	630

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Number of Cores	Nominal Conductor Area MM	Insulation Thickness MM	Diameter Under Armor	Armor Wire Size MM	Nom. O/D MM	Approx. Weight hg/hm	Min Bending Radius MM
7	1.5	0.6	10.6	0.9	15.2	488	100
12	1.5	0.6	13.9	1.25	19.4	817	120
19	1.5	0.6	16.5	1.25	22.2	1225	140
27	1.5	0.6	20.1	1.6	26.7	1553	170
37	1.5	0.6	22.4	1.6	29.2	1859	180

Number of Cores	Nominal Conductor Area MM	Insulation Thickness MM	Diameter Under Armor	Armor Wire Size MM	Nom. O/D MM	Approx. Weight hg/hm	Min Bending Radius MM
7	2.5	0.7	12.5	0.9	17.1	685	110
12	2.5	0.7	16.7	1.25	22.4	910	140
19	2.5	0.7	20.0	1.6	26.6	1500	160
27	2.5	0.7	23.9	1.6	30.7	1928	190
37	2.5	0.7	27.0	1.6	33.8	2460	210

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