

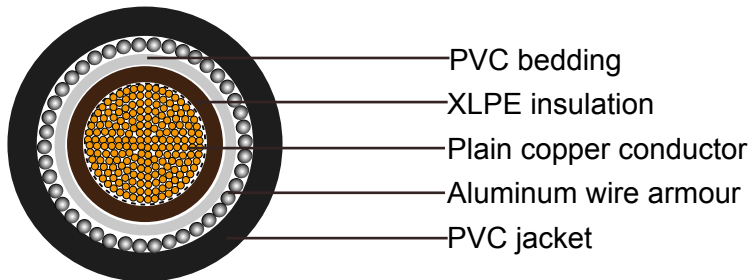


Addison Cables

BS5467 Armoured Power Cables, 600/1000V

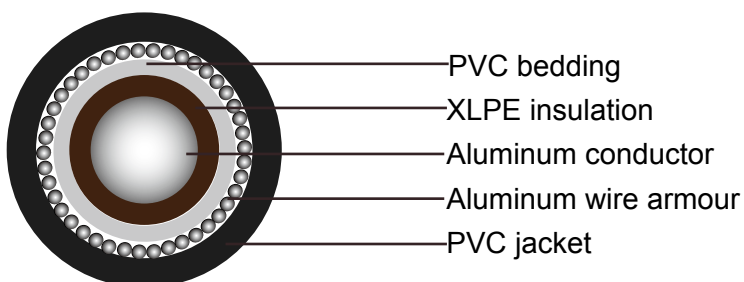
Cable Parameter

Single-core 600/1000 V cables with circular stranded copper conductor



Nominal Cross-sectional Area	Strand Type	Nominal Insulation thickness	Nominal bedding thickness	Nominal Alum Wire dia.	Nominal Sheath thickness	Approx. Overall Diameter	Aprrox Weight
mm ²	No./mm	mm	mm	mm	mm	mm	kg/km
1x50	19/1.78	1.0	0.8	0.9	1.5	17.5	800
1x70	19/2.14	1.1	0.8	1.25	1.5	20.2	990
1x95	19/2.52	1.1	0.8	1.25	1.6	22.3	1280
1x120	37/2.03	1.2	0.8	1.25	1.6	24.2	1550
1x150	37/2.25	1.4	1	1.6	1.7	27.4	1900
1x185	37/2.52	1.6	1	1.6	1.8	30.0	2320
1x240	61/2.25	1.7	1	1.6	1.8	32.8	2930
1x300	61/2.52	1.8	1	1.6	1.9	35.6	3580
1x400	61/2.85	2.0	1.2	2.0	2.0	40.5	4600
1x500	61/3.20	2.2	1.2	2.0	2.1	44.2	5680
1x630	127/2.52	2.4	1.2	2.0	2.2	48.8	7160
1x800	127/2.85	2.6	1.4	2.5	2.4	55.4	9315
1x1000	127/3.20	2.8	1.4	2.5	2.5	60.6	11490

Single-core 600/1000 V cables with solid aluminum conductor



BS 5467 Armoured Power Cables, 600/1000V

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

Conductor	Solid Aluminum or Copper conductor, round stranded or shaped, Class 2 to BS 6460, IEC 60228.
Insulation	XLPE (Cross-Linked Polyethylene) Type GP 8 or ethylene propylene rubber (GP 6)
Colour Code	1 Core : Brown 2 Cores: Brown or Blue 3 Cores: Brown, Black, Grey 4 Cores: Blue, Brown, Black, Grey 5 Cores: Green/Yellow, Blue, Brown, Black, Grey Above 5 Cores: White Cores with black numbers
Bedding	Single core: extruded layer of polymeric material Multicore: a) extruded layer of polymeric material b) or a taped bedding consist of two or more layers of PVC tape or other synthetic tape, for the cable having conductor area of 16mm ² and above
Armour	Single Core: AWA (Aluminum Wire Armour) Multi Core: SWA (Steel Wire Armour)
Outer Sheath	Extruded PVC, type 9 specified in BS7655

Technical Information

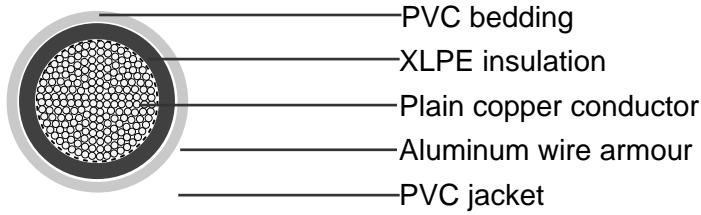
Voltage rating	600/1000V
Temperature rating	0°C to +90°C
Bending radius	1.5mm ² to 16mm ² : 6 x overall diameter 25mm ² and above: 8 x overall diameter
Flame retardant	IEC60332 part 1, BS4066 part 1

BS5467 Armoured Power

Cable Parameter

6 L Q J O H F R U H

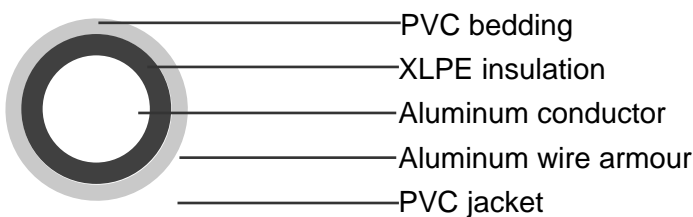
9 F D E O H V Z L W K F L U F X O D U V W



Nominal Cross- V H F W L Area	Strand Type No./mm	Nominal Insulation W K L F N	Nominal bedding W K L F N	Nominal Alum Wire Dia.	Nominal 6 K H D W K L F N	Approx. Diameter	Approx. : H L J K W
mm†	No./mm	mm	mm	mm	mm	mm	N J N P
1x50	19/1.78	1.0	0.8	0.9	1.5	17.5	800
1x70	19/2.14	1.1	0.8	1.25	1.5	20.2	990
1x95	19/2.52	1.1	0.8	1.25	1.6	22.3	1280
1x120	37/2.03	1.2	0.8	1.25	1.6	24.2	1550
1x150	37/2.25	1.4	1	1.6	1.7	27.4	1900
1x185	37/2.52	1.6	1	1.6	1.8	30.0	2320
1x240	61/2.25	1.7	1	1.6	1.8	32.8	2930
1x300	61/2.52	1.8	1	1.6	1.9	35.6	3580
1x400	61/2.85	2.0	1.2	2.0	2.0	40.5	4600
1x500	61/3.20	2.2	1.2	2.0	2.1	44.2	5680
1x630	127/2.52	2.4	1.2	2.0	2.2	48.8	7160
1x800	127/2.85	2.6	1.4	2.5	2.4	55.4	9315
1x1000	127/3.20	2.8	1.4	2.5	2.5	60.6	11490

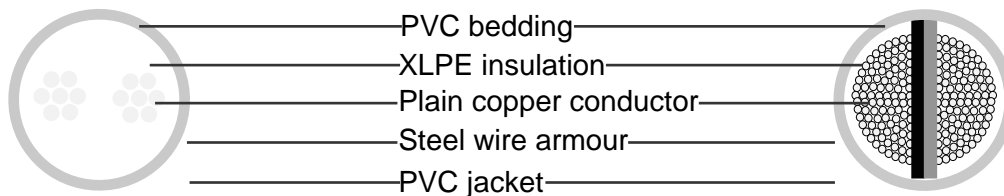
6 L Q J O H F R U H

9 F D E O H V Z L W K V R O L G D O X P L



Nominal Cross-sectional Area	Nominal Insulation thickness	Nominal bedding thickness	Nominal Alum Wire Armor dia.	Armour strip		Nominal Sheath thickness	Approx. Overall Diameter		Aprrox Weight
				thick-ness	width		wire armor	strip armor	
mm ²	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1x50	1.0	0.8	0.9	0.6	2.4	1.5	16.3	15.7	460
1x70	1.1	0.8	1.25	0.6	2.4	1.5	18.7	17.4	560
1x95	1.1	0.8	1.25	0.6	2.4	1.6	20.6	19.3	690
1x120	1.2	0.8	1.25	0.6	2.4	1.6	22.1	20.8	800
1x150	1.4	1	1.6	0.6	2.4	1.7	25.2	23.2	970
1x185	1.6	1	1.6	0.6	2.4	1.8	27.4	25.4	1150
1x240	1.7	1	1.6	1	3.6	1.8	29.9	28.7	1380
1x300	1.8	1	1.6	1	3.6	1.9	32.4	31.2	1640

Two-core 600/1000 V cables with stranded copper conductors

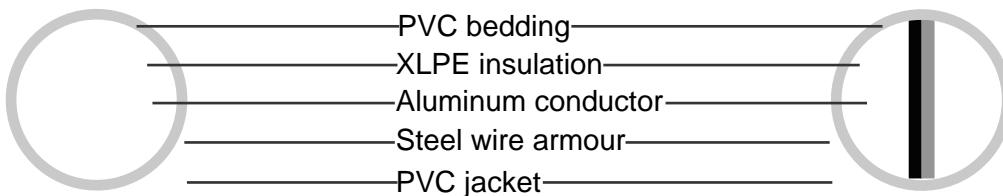


Nominal Cross-sectional Area	Strand Type	Nominal Insulation thickness	Nominal bedding thickness	Nominal Steel Wire Armor dia.	Nominal Sheath thickness	Approx. Overall Diameter		Aprrox Weight
						Extruded bedding	Taped bedding	
mm ²	No./mm	mm	mm	mm	mm	mm	mm	kg/km
2x1.5	7/0.53	0.6	0.8	0.9	1.4	12.1	-	320
2x2.5	7/0.67	0.7	0.8	0.9	1.4	13.6	-	365
2x4	7/0.85	0.7	0.8	0.9	1.4	14.7	-	440
2x6	7/1.04	0.7	0.8	0.9	1.4	15.9	-	470
2x10	7/1.35	0.7	0.8	0.9	1.5	18.0	-	800
2x16	7/1.70	0.7	0.8	1.25	1.5	20.4	20.4	900
2x25	7/2.14	0.9	0.8	1.25	1.6	24.1	24.1	1240
2x25*	7/2.14	0.9	0.8	1.25	1.6	20.4	20.4	1240
2x35	7/2.52	0.9	1	1.6	1.7	27.7	27.3	1710
2x35*	7/2.52	0.9	1	1.6	1.7	23.3	22.9	1710

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
						Extruded bedding	Taped bedding	
mm ²	No./mm	mm	mm	mm	mm	mm	mm	kg/km
2x50*	19/1.78	1.0	1	1.6	1.8	25.8	25.4	1800
2x70*	19/2.14	1.1	1	1.6	1.9	29.0	28.6	2320
2x95*	19/2.52	1.1	1.2	2.0	2.0	33.1	32.3	3150
2x120*	37/2.03	1.2	1.2	2.0	2.1	36.1	35.3	3880
2x150*	37/2.25	1.4	1.2	2.0	2.2	39.3	38.5	4820
2x185*	37/2.52	1.6	1.4	2.5	2.4	44.7	43.5	5920
2x240*	61/2.25	1.7	1.4	2.5	2.5	49.0	47.8	7300
2x300*	61/2.52	1.8	1.6	2.5	2.6	53.5	51.9	8770
2x400*	61/2.85	2	1.6	2.5	2.8	59.0	57.4	10905

* D-Shaped stranded conductor (class 2)

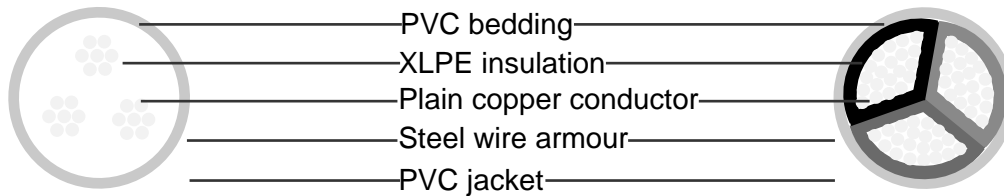
Two-core 600/1000 V cables with solid aluminum conductors



Nominal Cross-sectional Area	Nominal Insulation thickness	Nominal bedding thickness	Nominal Steel Wire Armor dia.	Armour strip		Nominal Sheath thickness	Approx. Overall Diameter			Approx Weight
				thick-ness	width		wire armor		strip armor	
							Extruded bedding	Taped bedding		
mm ²	mm	mm	mm	mm	mm	mm	mm	mm	kg/km	
2x16	0.7	0.8	1.25	0.6	2.4	1.5	19.1	19.1	17.8	650
2x25	0.9	0.8	1.25	0.6	2.4	1.5	22.4	22.4	21.1	915
2x25*	0.9	0.8	1.25	0.6	2.4	1.6	18.7	18.7	17.4	1255
2x35	0.9	1	1.6	0.6	2.4	1.6	25.7	25.3	23.3	1255
2x35*	0.9	1	1.6	0.6	2.4	1.7	21.4	21.0	19	1430
2x50*	1.0	1	1.6	0.6	2.4	1.8	23.5	23.1	21.1	1430
2x70*	1.1	1	1.6	1	3.6	1.9	26.3	25.9	24.7	1780
2x95*	1.1	1.2	2.0	1	3.6	2	30	29.2	27.2	1950

*Solid shaped conductor (class 1)

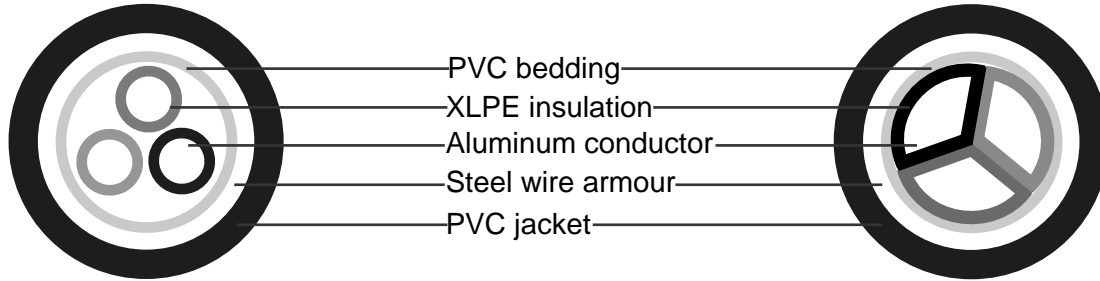
Three-core 600/1000 V cables with stranded copper conductors



Nominal Cross-sectional Area	Strand Type	Nominal Insulation thickness	Nominal Bedding thickness	Nominal Steel Wire Armour dia.	Nominal Sheath thickness	Approx. Overall Diameter		Approx Weight
						Extruded bedding	Taped bedding	
mm ²	No./mm	mm	mm	mm	mm	mm	mm	kg/km
3x1.5	7/0.53	0.6	0.8	0.9	1.3	12.6	-	340
3x2.5	7/0.67	0.7	0.8	0.9	1.4	14.1	-	408
3x4	7/0.85	0.7	0.8	0.9	1.4	15.3	-	498
3x6	7/1.04	0.7	0.8	0.9	1.4	16.6	-	600
3x10	7/1.35	0.7	0.8	1.25	1.5	19.5	-	915
3x16	7/1.70	0.7	0.8	1.25	1.6	21.6	21.6	1130
3x25	7/2.14	0.9	1	1.6	1.7	26.7	26.3	1710
3x25*	7/2.14	0.9	1	1.6	1.7	23.6	23.2	1710
3x35	7/2.52	0.9	1	1.6	1.8	29.4	29.0	2100
3x35*	7/2.52	0.9	1	1.6	1.8	25.7	25.3	2100
3x50*	19/1.78	1.0	1	1.6	1.8	28.5	28.1	2450
3x70*	19/2.14	1.1	1	1.6	1.9	32.2	31.8	3120
3x95*	19/2.52	1.1	1.2	2.0	2.1	37.0	36.2	4310
3x120*	37/2.03	1.2	1.2	2.0	2.2	40.4	39.6	5160
3x150*	37/2.25	1.4	1.4	2.5	2.3	45.5	44.3	7160
3x185*	37/2.52	1.6	1.4	2.5	2.4	49.8	48.6	8600
3x240*	61/2.25	1.7	1.4	2.5	2.6	55.1	53.9	10755
3x300*	61/2.52	1.8	1.6	2.5	2.7	60.2	58.6	13080
3x400*	61/2.85	2	1.6	2.5	2.9	66.6	65.0	15810

*Shaped stranded conductor (class 2)

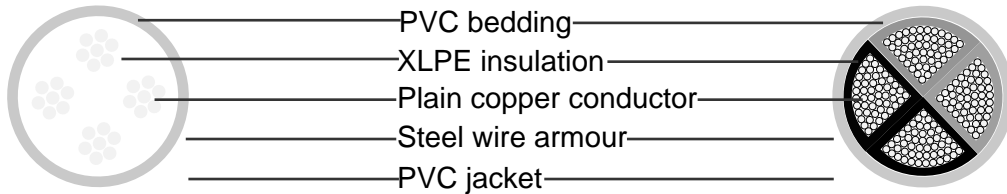
Three-core 600/1 000 V cables with solid aluminum conductors



Nominal Cross-sectional Area	Nominal Insulation thickness	Nominal bedding thickness	Nominal Steel Wire Armor dia.	Armour strip		Nominal Sheath thickness	Approx. Overall Diameter			Approx Weight
				thickness	width		wire armor		strip armor	
							Extruded bedding	Taped bedding		
mm ²	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
3x16	0.7	0.8	1.25	0.6	2.4	1.6	20.3	20.3	19	760
3x25*	0.9	1	1.6	0.6	2.4	1.7	22.5	22.1	20.1	1020
3x25	0.9	1	1.6	0.6	2.4	1.7	24.9	24.5	22.5	1020
3x35*	0.9	1	1.6	0.6	2.4	1.8	24.4	24.9	22	1200
3x35	0.9	1	1.6	0.6	2.4	1.8	27.3	26.9	24.9	1200
3x50*	1.0	1	1.6	0.6	2.4	1.8	26.8	26.4	24.9	1380
3x70*	1.1	1	1.6	1	3.6	1.9	30.2	29.8	28.6	1750
3x95*	1.1	1.2	2.0	1	3.6	2.1	34.8	34.0	32	2420
3x120*	1.2	1.2	2.0	1.4	4.8	2.2	37.8	37.0	35.8	2820
3x150*	1.4	1.4	2.5	1.4	4.8	2.3	42.7	41.5	39.3	3660
3x185*	1.6	1.4	2.5	1.4	4.8	2.4	46.7	45.5	43.3	4350
3x240*	1.7	1.4	2.5	1.4	4.8	2.6	51.5	50.3	48.1	5220
3x300*	1.8	1.6	2.5	1.8	6.4	2.7	56.2	54.6	53.2	6200

*Solid shaped conductor (class 1)

Four-core 600/1000 V cables with stranded copper conductors



Nominal Cross-sectional Area	Strand Type	Nominal Insulation thickness	Nominal bedding thickness	Nominal Steel Wire Armour dia.	Nominal Sheath thickness	Approx. Overall Diameter		Approx Weight
						Extruded bedding	Taped bedding	
mm ²	No./mm	mm	mm	mm	mm	mm	mm	kg/km
4x1.5	7/0.53	0.7	0.8	0.9	1.4	13.3	-	390
4x2.5	7/0.67	0.7	0.8	0.9	1.4	15.0	-	470
4x4	7/0.85	0.7	0.8	0.9	1.4	16.4	-	580
4x6	7/1.04	0.7	0.8	1.25	1.5	18.7	-	805
4x10	7/1.35	0.7	0.8	1.25	1.5	21.1	-	1090
4x16	7/1.70	0.7	0.8	1.25	1.6	23.4	23.4	1320
4x25	7/2.14	0.9	1	1.6	1.7	28.9	28.5	1840
4x25*	7/2.14	0.9	1	1.6	1.7	26.1	25.7	1840
4x35	7/2.52	0.9	1	1.6	1.8	31.9	31.5	2310
4x35*	7/2.52	0.9	1	1.6	1.8	28.6	28.2	2310
4x50*	19/1.78	1.0	1	1.6	1.9	32.0	31.6	2970
4x70*	19/2.14	1.1	1.2	2.0	2.1	37.7	36.9	4240
4x95*	19/2.52	1.1	1.2	2.0	2.2	41.7	40.9	5400
4x120*	37/2.03	1.2	1.4	2.5	2.3	47.1	45.9	7000
4x150*	37/2.25	1.4	1.4	2.5	2.4	51.4	50.2	8350
4x185*	37/2.52	1.6	1.4	2.5	2.6	56.6	55.4	10130
4x240*	61/2.25	1.7	1.6	2.5	2.7	63.0	61.4	12840
4x300*	61/2.52	1.8	1.6	2.5	2.9	68.8	67.2	15530
4x400*	61/2.85	2	1.8	3.15	3.2	78.1	76.1	19950

* Shaped stranded conductor (class 2)