

BS 5467 1kV

PVC Copper Conductor Armoured Cable. BS 5467. 600/1000 V



Prysmian BS 5467 is a low voltage armoured cable for industrial wiring and mains distribution

KEY APPLICATIONS

Designed primarily for clipped directly to a surface, on tray, in basket or in free air. These cables can also be laid direct in ground or in ducts in free draining soil, or embedded in concrete

The design of Prysmian BS 5467 is particularly robust and is well suited to areas at risk of mechanical damage.

FEATURES AND BENEFITS

- Manufactured under ISO 9001 Quality management systems
- Single core aluminium wire armour
- Multi core steel wire armour

ADDITIONAL TECHNICAL SUPPORT

- [FAQ's](https://uk.prysmian.com/technical-area/faqs) - uk.prysmian.com/technical-area/faqs
- [Technical email](mailto:tech.info@prysmian.com) - tech.info@prysmian.com
- [Live Chat](https://uk.prysmian.com/technical-area) - uk.prysmian.com/technical-area
- Technical hotline: 02380 295222

STANDARDS



BS 5467
BS EN 60332-1-2

Construction Standard
Flame Propagation - Single Cable

CONSTRUCTION

Conductor material	Copper
Conductor surface	Bare
Core insulation material	XLPE
Armouring/reinforcement	Wire
Armouring	Yes
Material inner sheath	Polyvinyl chloride (PVC)
Material outer sheath	Polyvinyl chloride (PVC)
Cable shape	Round

APPLICATIONS PROPERTIES

Nominal voltage U ₀ [V]	600
Nominal voltage U [V]	1,000
Flame retardant	In accordance with BS EN 60332-1-2
Max. conductor temperature [°C]	90
Min. Operation temperature [°C]	-15
UV resistant	Yes
Outdoor installation	Yes
Min. Installation temperature [°C]	0
Max. Installation temperature [°C]	80
Underground installation	Yes
Bending radius (rule)	8D

COLOURS

Insulation: Single Core: Brown or Blue;
 Two Cores: Brown, Blue;
 Three Cores: Brown, Black, Grey;
 Four Cores: Blue, Brown, Black, Grey;
 Five Cores: Blue, Brown, Black, Grey, Green/Yellow;
 7 to 37 Cores: White (with printed numbers);
 Sheath: Black

CURRENT RATINGS

Refer to table 4E3 and 4E4 of BS 7671 Requirements for Electrical Installations. IET Wiring Regulations
 Note: Where conductor operates at a temperature exceeding 70°C it shall be ascertained that the equipment connected to the conductor is suitable for the conductor operating temperature.

TECHNICAL DATA

Number of cores	Nominal cross section conductor [mm ²]	Shape of conductor	Nominal diameter of armouring wire [mm]	Nominal diameter under armour [mm]	Nominal outer diameter [mm]	Cable weight [kg/km]	Conductor resistance at 20° C [Ohm/km]	Embodied Carbon [CO ₂ e kg/km]
1	150	Round	1.6	23	27	1,850	0.124	13,093
1	185	Round	1.6	25	29	2,300	0.0991	15,998
1	240	Round	1.6	27	31	2,900	0.0754	20,377
1	300	Round	1.6	30	34	3,500	0.0601	24,713
1	400	Round	2	35	39	4,500	0.047	31,690
1	500	Round	2	38	43	5,600	0.0366	39,626
1	630	Round	2	42	46	7,000	0.0283	50,242
1	800	Round	2.5	49	54	9,000	0.0221	65,879
1	1,000	Round	2.5	54	59	11,400	0.0176	84,190
2	1.5	Round	0.9	8.7	11.3	260	12.1	781
2	2.5	Round	0.9	9.9	12.7	330	7.41	1,000
2	4	Round	0.9	11	13.8	390	4.61	1,278
2	6	Round	0.9	12.1	14.9	470	3.08	1,635
2	10	Round	0.9	13.7	16.7	610	1.83	2,578
2	16	Round	1.25	16.5	19.5	920	1.15	3,710
2	25	Sector-shaped	1.25	18.2	22	1,100	0.727	4,956
2	35	Sector-shaped	1.6	21	24	1,500	0.524	6,707
2	50	Sector-shaped	1.6	24	27	1,850	0.387	8,846
2	70	Sector-shaped	1.6	26	30	2,400	0.268	11,893
2	95	Sector-shaped	2	28	32	3,100	0.193	16,440
2	120	Sector-shaped	2	31	36	3,800	0.153	20,418
2	150	Sector-shaped	2	34	38	4,400	0.124	24,540
2	185	Sector-shaped	2.5	38	43	5,800	0.0991	31,269
2	240	Sector-shaped	2.5	43	48	7,100	0.0754	40,163
2	300	Sector-shaped	2.5	47	53	8,600	0.0601	49,640

TECHNICAL DATA

Number of cores	Nominal cross section conductor [mm ²]	Shape of conductor	Nominal diameter of armouring wire [mm]	Nominal diameter under armour [mm]	Nominal outer diameter [mm]	Cable weight [kg/km]	Conductor resistance at 20° C [Ohm/km]	Embodied Carbon [CO ₂ e kg/km]
2	400	Sector-shaped	2.5	52	58	10,500	0.047	62,199
3	1.5	Round	0.9	9.1	11.7	285	12.1	911
3	2.5	Round	0.9	10.4	13.2	360	7.41	1,198
3	4	Round	0.9	11.6	14.4	440	4.61	1,581
3	6	Round	0.9	12.8	15.6	540	3.08	2,077
3	10	Round	1.25	15.2	18.2	820	1.83	3,536
3	16	Round	1.25	17.4	21	1,100	1.15	4,701
3	25	Round	1.6	23	26	1,700	0.727	7,437
3	35	Round	1.6	25	29	2,100	0.524	9,785
3	50	Sector-shaped	1.6	27	30	2,500	0.387	12,422
3	70	Sector-shaped	1.6	29	33	3,100	0.268	16,937
3	95	Sector-shaped	2	33	37	4,200	0.193	23,430
3	120	Sector-shaped	2	36	40	5,100	0.153	29,075
3	150	Sector-shaped	2.5	41	45	6,400	0.124	36,222
3	185	Sector-shaped	2.5	44	49	7,700	0.0991	44,432
3	240	Sector-shaped	2.5	49	54	9,700	0.0754	57,583
3	300	Sector-shaped	2.5	54	59	11,700	0.0601	71,156
3	400	Sector-shaped	2.5	60	65	14,500	0.047	89,667
4	1.5	Round	0.9	9.8	12.4	315	12.1	1,058
4	2.5	Round	0.9	11.3	13.9	405	7.41	1,413
4	4	Round	0.9	12.6	15.4	510	4.61	1,923
4	6	Round	1.25	14.7	17.5	730	3.08	2,784
4	10	Round	1.25	16.5	19.5	960	1.83	4,363
4	16	Round	1.25	19.1	23	1,300	1.15	6,087
4	25	Round	1.6	25	28	2,100	0.727	9,431

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TECHNICAL DATA

Number of cores	Nominal cross section conductor [mm ²]	Shape of conductor	Nominal diameter of armouring wire [mm]	Nominal diameter under armour [mm]	Nominal outer diameter [mm]	Cable weight [kg/km]	Conductor resistance at 20° C [Ohm/km]	Embodied Carbon [CO ₂ e kg/km]
4	35	Round	1.6	27	31	2,600	0.524	12,405
4	50	Sector-shaped	1.6	30	34	3,100	0.387	16,055
4	70	Sector-shaped	2	33	37	4,000	0.268	22,551
4	95	Sector-shaped	2	36	41	5,100	0.193	30,228
4	120	Sector-shaped	2.5	41	46	6,600	0.153	38,406
4	150	Sector-shaped	2.5	45	50	7,900	0.124	46,737
4	185	Sector-shaped	2.5	50	55	9,600	0.0991	57,844
4	240	Sector-shaped	2.5	55	61	12,200	0.0754	74,362
4	300	Sector-shaped	2.5	61	66	14,800	0.0601	92,401
4	400	Sector-shaped	3.15	69	75	19,200	0.047	119,394
5	1.5	Round	0.9	11.8	14.6	410	12.1	1,363
5	2.5	Round	0.9	13.3	16.1	500	7.41	1,770
5	4	Round	0.9	14.8	17.8	630	4.61	2,392
5	6	Round	1.25	17.2	21	900	3.08	3,527
5	10	Round	1.25	20	24	1,250	1.83	5,339
5	16	Round	1.6	23	27	1,700	1.15	7,750
5	25	Round	1.6	28	31	2,500	0.727	11,256
5	35	Round	1.6	30	34	2,900	0.524	14,896
7	1.5	Round	0.9	12.8	15.4	475	12.1	1,675
7	2.5	Round	0.9	14.6	17.2	610	7.41	2,260
12	1.5	Round	1.25	16.5	19.5	760	12.1	2,773
12	2.5	Round	1.25	18.9	23	980	7.41	3,758
19	1.5	Round	1.25	18.7	22	960	12.1	3,799
19	2.5	Round	1.6	23	26	1,450	7.41	5,617
27	1.5	Round	1.6	23	27	1,400	12.1	5,432

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Number of cores	Nominal cross section conductor [mm ²]	Shape of conductor	Nominal diameter of armouring wire [mm]	Nominal diameter under armour [mm]	Nominal outer diameter [mm]	Cable weight [kg/km]	Conductor resistance at 20° C [Ohm/km]	Embodied Carbon [CO ₂ e kg/km]
27	2.5	Round	1.6	27	31	1,850	7.41	7,581
37	1.5	Round	1.6	26	29	1,700	12.1	6,869
37	2.5	Round	1.6	30	34	2,300	7.41	9,718

*The embodied carbon figure is taken from a single product in the range, for more information on how we calculate our embodied carbon figure visit here: <https://uk.prysmiangroup.com/embodied-carbon>