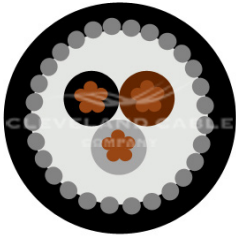


BS 5467 PVC MAINS & CONTROL (1.5MM²-16MM²)



APPLICATION

Multi-core PVC cable with steel wire armour (SWA). Power and auxiliary control cables for use in power networks, underground, outdoor and indoor applications and for use in cable ducting.

CABLE STANDARDS

Flame propagation to BS EN/IEC 60332-1
BS 5467
BASEC Approved

CONSTRUCTION

Conductor: Class 2 stranded copper conductor acc BS EN 60228 (previously BS 6360)

Insulation: Cross Link Polyethylene (XLPE)

Bedding: Polyvinyl Chloride (PVC)

Armour: Steel Wire Armour (SWA)

Sheath: Polyvinyl Chloride PVC

CHARACTERISTICS

Voltage Rating: 600/1000 Volts

Temperature Limits: Fixed: -15°C to +90°C

Minimum Bending Radius:

As per cable manufacturer datasheet

CORE IDENTIFICATION

2 Core: ■ Brown ■ Blue

3 Core: ■ Brown ■ Black ■ Grey

4 Core: ■ Brown ■ Black ■ Grey ■ Blue

5 Core: ■ Brown ■ Black ■ Grey ■ Blue
■ G/Y

* Additionally these cables are stocked with:

3 Core: ■ Brown ■ Blue ■ G/Y

5 core and above up to 6mm²: 8 White

2,3,4 or 5 core 1.5–2.5mm²: 8 White to ESI 09-6

Should not be installed at temperatures below 0°C or above +60°C

BS 5467 MAINS & CONTROL CABLE (1.5 MM²-16MM²) - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM ²)	STRANDING (MM)	NO OF CORES	WEIGHT (KG/KM)	OVERALL DIAMETER (MM)	GLAND SIZE (MM)	NYLON CLEAT SIZE
XLPE2X1/5**	1.5	7/0.53	2	234	11.06	20/16	0.5
XLPE3X1/5 **	1.5	7/0.53	3	271	11.54	20/16	0.5
XLPE4X1/5	1.5	7/0.53	4	306	12.26	20/16	0.5
XLPE5X1/5	1.5	7/0.53	5	356	13.23	20s	0.6
XLPE7X1/5	1.5	7/0.53	7	391	14.1	20s	0.6
XLPE8X1/5	1.5	7/0.53	8	501	16.7	20	0.7
XLPE10X1/5	1.5	7/0.53	10	650	18	20	0.8
XLPE12X1/5	1.5	7/0.53	12	657	18.3	20	0.8
XLPE19X1/5	1.5	7/0.53	19	863	20.78	25	0.9
XLPE27X1/5	1.5	7/0.53	27	1310	25.1	25	1.0
XLPE37X1/5	1.5	7/0.53	37	1590	27.5	32	1.1
XLPE48X1/5	1.5	7/0.53	48	1900	30	32	1.2
XLPE2X2/5	2.5	7/0.67	2	312	12.4	20s	0.5
XLPE3X2/5*	2.5	7/0.67	3	343	12.99	20s	0.6
XLPE4X2/5	2.5	7/0.67	4	392	13.86	20s	0.6
XLPE5X2/5	2.5	7/0.67	5	463	14.92	20s	0.6
XLPE7X2/5	2.5	7/0.67	7	509	15.96	20	0.8
XLPE10X2/5	2.5	7/0.67	10	850	20	25	0.8
XLPE12X2/5	2.5	7/0.67	12	861	21.11	25	0.9
XLPE19X2/5	2.5	7/0.67	19	1324	25.16	25	1.0
XLPE27X2/5	2.5	7/0.67	27	1760	30	32	1.2
XLPE37X2/5	2.5	7/0.67	37	2185	33	40	1.4
XLPE48X2/5	2.5	7/0.67	48	2800	36	40	1.6
XLPE2X4	4.0	7/0.85	2	373	13.38	20s	0.6
XLPE3X4*	4.0	7/0.85	3	421	14.05	20s	0.6
XLPE4X4	4.0	7/0.85	4	496	15.04	20	0.6
XLPE5X4	4.0	7/0.85	5	573	16.35	20	0.7
XLPE7X4	4.0	7/0.85	7	741	18.21	20	0.8
XLPE12X4	4.0	7/0.85	12	1255	24.24	25	1.0
XLPE19X4	4.0	7/0.85	19	1690	27.61	32	1.1
XLPE27X4	4.0	7/0.85	27	2250	32	32	1.4
XLPE2X6	6.0	7/1.04	2	450	14.38	20s	0.6
XLPE3X6*	6.0	7/1.04	3	515	15.14	20	0.7
XLPE4X6	6.0	7/1.04	4	696	17.03	20	0.7
XLPE5X6	6.0	7/1.04	5	808	18.39	20	0.8
XLPE7X6	6.0	7/1.04	7	1100	21.9	25	0.9
XLPE2X10	10.0	7/1.35	2	590	16.18	20	0.7
XLPE3X10*	10.0	7/1.35	3	781	17.76	20	0.8
XLPE4X10	10.0	7/1.35	4	927	19.09	25	0.8
XLPE5X10	10.0	7/1.35	5	1095	20.91	25	0.9
XLPE7X10	10.0	7/1.35	7	1500	25	25	1.0
XLPE2X16	16.0	7/1.70	2	893	19.06	25	0.8
XLPE3X16*	16.0	7/1.70	3	1059	20.35	25	0.9
XLPE4X16	16.0	7/1.70	4	1269	21.95	25	0.9
XLPE5X16	16.0	7/1.70	5	1679	25.19	25	1.1
XLPE7X16	16.0	7/1.70	7	2150	28.1	32	1.2

BS 5467 MAINS & CONTROL CABLE - CURRENT CARRYING (AMPERES)

CONDUCTOR CROSS - SECTIONAL AREA	REFERENCE METHOD C (CLIPPED DIRECT)		REFERENCE METHOD E (IN FREE AIR OR ON A PERFORATED CABLE TRAY, HORIZONTAL OR VERTICAL)		REFERENCE METHOD D (DIRECT IN GROUND OR IN DUCTING IN GROUND, IN OR AROUND BUILDINGS)	
	1 TWO CORE CABLE SINGLE-PHASE AC OR DC	1 THREE OR 1 FOUR CORE CABLE THREE-PHASE AC	1 TWO CORE CABLE SINGLE-PHASE AC OR DC	1 THREE OR 1 FOUR CORE CABLE THREE-PHASE AC	1 TWO CORE CABLE SINGLE-PHASE AC OR DC	1 THREE OR 1 FOUR CORE CABLE THREE-PHASE AC
1	2	3	4	5	6	7
(MM ²)	(A)	(A)	(A)	(A)	(A)	(A)
1.5	27	23	29	25	25	21
2.5	36	31	39	33	33	28
4	49	42	52	44	43	36
6	62	53	66	56	53	44
10	85	73	90	78	71	58
16	110	94	115	99	91	75

THE ABOVE IS IN ACCORDANCE WITH 18TH EDITION OF IET WIRING REGULATIONS

BS 5467 MAINS & CONTROL CABLE - VOLTAGE DROP

NOMINAL CROSS SECTIONAL AREA MM ²	TWO CORE CABLE DC	TWO CORE CABLE SINGLE-PHASE AC MV/A/M	THREE OR FOUR CORE CABLE THREE-PHASE AC MV/A/M
(MM ²)	(MV/A /M)	(MV/A/M)	(MV/A/M)
1.5	31	31	27
2.5	19	19	16
4	12	12	10
6	7.9	7.9	6.8
10	4.7	4.7	6.8
16	2.9	2.9	2.5

THE ABOVE IS IN ACCORDANCE WITH 18TH EDITION OF IET WIRING REGULATIONS

CONDUCTOR OPERATING TEMPERATURE: 90°C

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.