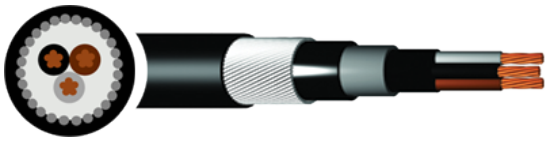
BS5467 3 Core Mains Cable 3.3kV - XLPE,SWA,PVC - 16mm² to 400mm²



Description

Cleveland Cable Company stocks a large range of 3.3KV (3300V) 3 core mains cable available in sizes 16mm to 400mm and manufactured to British Standard BS5467. The 3 core mains cable is a medium voltage power cable designed to be buried for installation. The cable can also be used indoors and outdoors and in cable ducting.

Key Features

Voltage Rating
1900/3300 Volts

Minimum Bending Radius
12 x Overall Diameter

Flame Retardancy
BS EN 60332-1-2

Temperature Limits
Fixed: -25°C to +90°C

Core Colours

3 Core: Brown | Black | Grey

Standards

- BS 5467, Flame propagation: BS EN/IEC 60332
- BS5467
- BS EN/IEC 60502-1
- BS EN/IEC 60228
- BS EN / IEC 60332

Construction

- **Conductor**: Class 2 stranded copper conductor
- **Insulation**: Cross Linked polyethylene (XLPE)
- **Bedding**: Polyvinyl Chloride (PVC)
- **Armour**: Steel Wire Armour (SWA)
- **Sheath**: PVC (Polyvinyl Chloride)

QA Lab

Cleveland Cable Test & Training Lab
Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.

CPR
Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.

Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.

ecovadis
Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

BS5467 3 Core Mains Cable 3.3kV - XLPE,SWA,PVC - 16mm² to 400mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Stranding(mm)	Overall Diameter(mm)	Weight(Kg/Km)	Nylon Cleat Size	Gland Size
XLPE3X16/3	16	3	7/1.70	29.5	1600	1.2	32
XLPE3X25/3	25	3	7/2.14	32.3	2060	1.4	32
XLPE3X35/3	35	3	7/2.52	35	2330	1.4	40
XLPE3X50/3	50	3	19/1.78	34.9	3040	1.4	40
XLPE3X70/3	70	3	19/2.14	38	3800	1.6	40
XLPE3X95/3	95	3	19/2.52	41.4	4730	1.8	50S
XLPE3X120/3	120	3	37/2.03	45.6	6070	1.8	50S
XLPE3X150/3	150	3	37/2.25	48.3	7010	2	50
XLPE3X185/3	185	3	37/2.52	51.6	8270	TC9	50
XLPE3X240/3	240	3	61/2.25	56.5	10310	TC9	63S
XLPE3X300/3	300	3	61/2.52	60.7	12300	TC10	63
XLPE3X400/3	400	3	61/2.85	65.8	14780	TC11	75S

Multicore armoured 90 °C thermosetting insulated cables. Reproduced from *BS7671:2018 Wiring Regulations*

TABLE 4E4A

CURRENT-CARRYING CAPACITY (amps)

Ambient temperature: 30°C
Ground ambient temperature: 20°C
Conductor operating temperature: 90°C

Conductor cross- sectional area	Reference Method C (clipped direct)		Reference Method E (in free air or on a perforated cable tray etc, 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
mm2	(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
25	146	124	152	131	116	96
35	180	154	188	162	139	115
50	219	187	228	197	164	135
70	279	238	291	251	203	167
95	338	289	354	304	239	197
120	392	335	410	353	271	223
150	451	386	472	406	306	251
185	515	441	539	463	343	281
240	607	520	636	546	395	324
300	698	599	732	628	446	365
400	787	673	847	728		

1.Where it is intended to connect the cables in this table to equipment or accessories designed to operate at a temperature lower than the maximum operating temperature of the cable, the cables should be rated at the maximum operating temperature of the equipment or accessory (see Regulation 512.1.5).
2.Where it is intended to group a cable in this tablewith other cables, the cable should be rated at the lowest of the maximum operating temperatures of any of the cables in the group (see Regulation 512.1.5).