

185 CU XLPE PVC 1kV BS7889 BLK

XLPE Insulated, PVC Sheathed Single Core Cable. BS 7889. 600/1000 V



Prysmian BS 7889 is an unarmoured industrial single core wiring cable with cross linked polyethylene insulation and PVC sheath.

KEY APPLICATIONS

Suitable for installation in areas with reduced risk of mechanical damage; on tray, in free air or clipped direct. Suitable also for conduit and wiring installations when mechanical protection is required.

FEATURES AND BENEFITS

- Manufactured under ISO 9001 Quality management systems

STANDARDS



BS 7889
BS EN 60332-1-2

Construction Standard
Flame Propagation - Single Cable

CONSTRUCTION

Conductor material	Copper
Conductor surface	Bare
Core insulation material	XLPE
Material outer sheath	Polyvinyl chloride (PVC)
Cable shape	Round

APPLICATIONS PROPERTIES

Nominal voltage U0 [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
Bending radius (rule)	6D

COLOURS

Insulation: Brown or Blue
Sheath: Black

CURRENT RATINGS

Refer to table 4E1 of BS 7671 Requirements for Electrical Installations. IET Wiring Regulations

Note: Where a 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

Nominal cross section conductor [mm²]	185
Conductor category	Class 2 = stranded
Nominal thickness insulation [mm]	1.6
Nominal outer diameter [mm]	23
Cable weight [kg/km]	1,900
Conductor resistance at 20° C [Ohm/km]	0.0991

*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>

PACKAGING

SAP code	Standard packaging quantity	User unit	Packaging type
20144538	0	MTR	Drum (non-standard length)
20144517	0	MTR	Drum (non-standard length)