**Standard Power Cables**  
**Low Voltage (600/1000 V)**

## Description

- Single core CSA mm², P.Cu. XLPE ins (BLUE, BROWN, BLACK or GREY), PVC sheath overall. 600/1000V to BS7889.

## Conductors

- Plain annealed copper stranded circular conductor complying with BS EN 60228 Class 2

## Insulation

- XLPE insulation complying with BS7655 requirements for type GP8

## Core Identification

- Core coloured (BLUE, BROWN, BLACK or GREY)

## Outer Sheath

- PVC sheath

## Sheath Colour

- Normally BLACK but other colours available upon request

## Flame Propagation

- All these cables meet the requirements of BS EN 60332-1-2

## Installation

- All cables should be installed in accordance with the appropriate regulations, including IEE, or any other national legislation

## Temperature Limits

- All cables are suitable for operation in the range -15°C to +90°C, but should not be installed at temperatures below 0°C

## Health and Safety

- Please refer to the Prysmian Cables and Systems Ltd leaflet 'Statement to Cable User's on the Health & Safety at Work Act 1974 and the Control of Substances Hazardous to Health Regulation (COSHH)
### Cable Details

**Nominal cross sectional area** | **Minimum average thickness of insulation** | **Nominal thickness of oversheath** | **Approximate diameter overall** | **Minimum bending radius** | **Approximate cable weight** | **Maximum pulling eye force** | **Maximum DC resistance at 20°C** | **Maximum AC resistance at 90°C** | **Approximate Capacitance (cable to cable in Trefoil)** | **Approximate Inductance in Trefoil** | **Approximate Reactance @ 50Hz** | **Approximate Impedance @ 50Hz**
---|---|---|---|---|---|---|---|---|---|---|---|---|
mm² | mm | mm | mm | mm | kg/km | kg | Ohms/km | Ohms/km | uF/km | uH/km | Ohms/km | Ohms/km |
---|---|---|---|---|---|---|---|---|---|---|---|---|

### Single Core

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<td>Ambient temperature (Air) 25°C</td>
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<td>mm²</td>
<td>1 Sec Short Circuit Rating of Conductor (90 to 250°C)</td>
<td>KA</td>
<td>Single Phase</td>
<td>Three Phase</td>
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### XLPE Insulated, PVC Sheathed, Single Core Unarmoured Cables to BS7889

Note: The oversheath diameters are only approximate, if tolerance dimensions are required please specify at time of enquiry or order placement.

* If the Cable Spacing is Larger than 1 cable diameter then the volt drop will be larger than those specified.

If current rating and buildings is required reference should be made to BS7671 (IEE Wiring Regs).

Ref: BS7889PVC/07/09