



## Application

Low-voltage power cable with solid aluminium or stranded copper phase conductor, cross-linked polyethylene (XLPE) insulation, and a copper concentric neutral/earth (CNE) conductor. Suitable for use in low-voltage distribution networks where a combined neutral and earth is required.

## Construction

### Conductors

Stranded plain annealed copper conductor, class 2 OR Solid aluminium conductor, class 1 according to according to BS EN 60228

### Insulation

XPLE (Cross-linked polyethylene)

### Insulation Colour

Brown

### Concentric Conductor

Copper concentric neutral/earth conductor composed by a single layer of plain annealed copper wires helically applied.

### Binding Tape

Wrapping plastic tape, helically applied.

### Outer Sheath

PVC (Polyvinyl Chloride)

### Outer Sheath Colour

Black

## Standards

BS EN 60228, BS 7870-3.11:2011

## Technical Characteristics

**Voltage rating** 0.6/1 (1.2)kV



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The Copper Mark Partnership

- IEWC promotes sustainable practices by our suppliers
- Copper Mark promotes seven of 17 UN Global Sustainability Goals
- Copper Mark recipients cover
- 20% of global copper production

| Conductor size / Number of Cores | Conductor | Nominal Diameter of Conductor (mm) | Nomial Insulation Thickness (mm) | Nominal Outersheath Thickness (mm) | Approximate Outer Diameter (mm) | Approximate Weight of Cable (kg/km) |
|----------------------------------|-----------|------------------------------------|----------------------------------|------------------------------------|---------------------------------|-------------------------------------|
| 1x4                              | Copper    | 2.6                                | 0.7                              | 1.4                                | 8.5                             | 140                                 |
| 1x16                             | Copper    | 4.7                                | 0.7                              | 1.4                                | 12.0                            | 370                                 |
| 1x25                             | Copper    | 6.1                                | 0.9                              | 1.4                                | 14.0                            | 550                                 |
| 1x25                             | Aluminium | 5.5                                | 0.71                             | 1.09                               | 13                              | 310                                 |
| 1x35                             | Aluminium | 6.6                                | 0.71                             | 1.09                               | 14                              | 410                                 |