



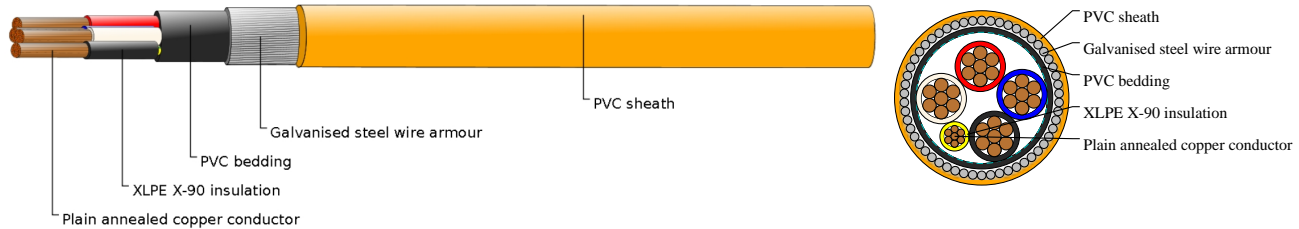
Caledonian

Industrial Cables (Australian Standard Low Voltage)

www.caledonian-cables.com

marketing@caledonian-cables.com

XLPE Insulated, PVC Sheathed 4 core+E Armored Cables, 0.6/1kV



APPLICATIONS

These cables are used for mains, submains and subcircuits unenclosed, enclosed in conduit, buried direct or in underground ducts for buildings and industrial plants where not subject to mechanical damage.

STANDARDS

AS/NZS 5000.1

AS/NZS 3008

AS/NZS 1125

VOLTAGE RATING

0.6/1kV

CABLE CONSTRUCTION

Conductor: Plain annealed copper

Insulation: XLPE X-90.

Bedding: Polyvinylchloride compound PVC 5V-90

Armour: Galvanised Steel Wire

Sheath: Polyvinylchloride compound PVC 5V-90

COLOUR CODE

Insulation colour: Red, White, Blue, black, Green/yellow

Bedding colour: Black

Sheath colour: Orange, other colors are available upon request

TECHNICAL CHARACTERISTICS

| Nom. Cross-Section Area | Current Ratings (Unenclosed In Air) | Current Ratings (Buried Direct) | Current Ratings (Buried In Ducts) | Maximum DC Resistance @20°C | Maximum AC Resistance @90°C | Reactance | Single Phase Voltage Drop @90°C |
|-------------------------|-------------------------------------|---------------------------------|-----------------------------------|-----------------------------|-----------------------------|-----------|---------------------------------|
| mm ² | A | A | A | Ohm/km | Ohm/km | Ohm/km | mV/A/m |
| 35 | 135 | 170 | 135 | 0.524 | 0.669 | 0.0786 | 1.17 |

DIMENSION AND PARAMETERS



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| Nominal Cross-sectional Area | No./ Nominal Diameter of Strands | Nominal Earth Conductor Area | Nominal Insulation Thickness | Nominal Insulation Thickness (Earth) | Nominal Dia. over Bedding | Nominal Steel Wire Armour Diameter | Approx. Overall Diameter | Approx. Weight |
|------------------------------|----------------------------------|------------------------------|------------------------------|--------------------------------------|---------------------------|------------------------------------|--------------------------|----------------|
| mm ² | no./mm | mm ² | mm | mm | mm | mm | mm | kg/km |
| 35 | 7/2.65 | 10 | 0.9 | 0.7 | 24.4 | 1.6 | 31.5 | 2605 |