



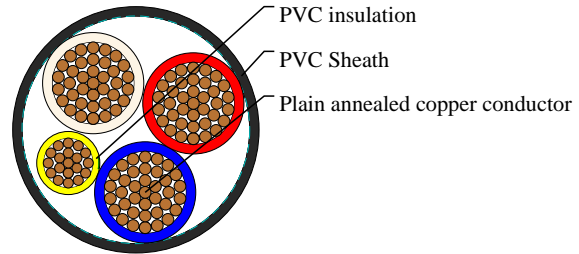
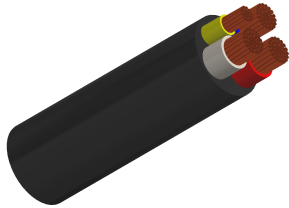
# Caledonian

Industrial Cables (Australian Standard Low Voltage)

[www.caledonian-cables.com](http://www.caledonian-cables.com)

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## PVC Insulated, PVC Sheathed 3 core+E Unarmored 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: Polyvinylchloride compound PVC V-90

Sheath: Polyvinylchloride compound PVC 5V-90

### COLOUR CODE

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

Sheath colour: Black, 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 @75°C | Reactance | Single Phase Voltage Drop @75°C |
|-------------------------|-------------------------------------|---------------------------------|-----------------------------------|-----------------------------|-----------------------------|-----------|---------------------------------|
| mm <sup>2</sup>         | A                                   | A                               | A                                 | Ohm/km                      | Ohm/km                      | Ohm/km    | mV/A/m                          |
| 185                     | 325                                 | 260                             | 310                               | 0.0991                      | 0.123                       | 0.0744    | 0.251                           |

### 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) | Approx. Overall Diameter | Approx. Weight |
|------------------------------|---------------------------------|------------------------------|------------------------------|--------------------------------------|--------------------------|----------------|
| mm <sup>2</sup>              | no./mm                          | mm <sup>2</sup>              | mm                           | mm                                   | mm                       | kg/km          |
| 185                          | 37/2.65                         | 70                           | 2.0                          | 1.4                                  | 50.3                     | 6930           |