



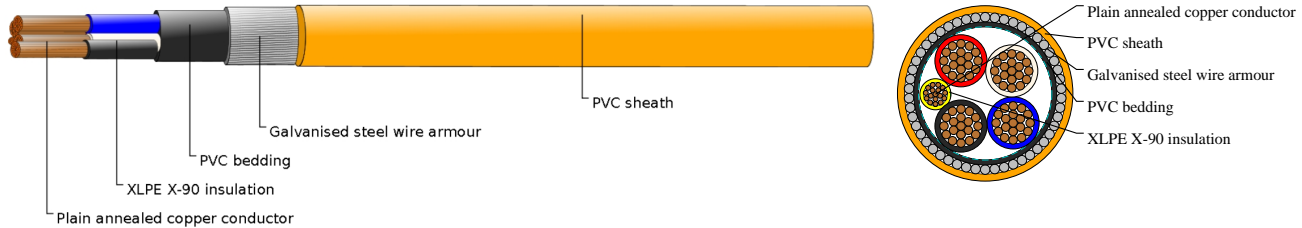
# Caledonian

Industrial Cables (Australian Standard Low Voltage)

www.caledonian-cables.com

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## 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 <sup>2</sup>	A	A	A	Ohm/km	Ohm/km	Ohm/km	mV/A/m
50	170	205	160	0.387	0.494	0.0751	0.868

### 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 <sup>2</sup>	no./mm	mm <sup>2</sup>	mm	mm	mm	mm	mm	kg/km
50	19/1.89	16	1.0	0.7	27.8	2.0	36.5	3860