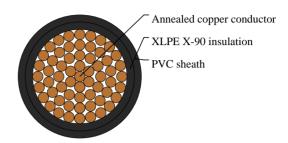


# Caledonian

# Industrial Cables (Australian Standard Low Voltage) www.caledonian-cables.com marketing@caledonian-cables.com

#### Single core XLPE Insulated, PVC Sheathed Unarmoured Cables, 0.6/1kV





#### **APPLICATIONS**

These cables are used for outdoor and indoor installations in damp and wet applications. They are normally used for power distribution in urban networks, industrial plants and energy distribution. 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. Suitable where space is at a premium.

#### **STANDARDS**

AS/NZS 5000.1

**AS/NZS 3008** 

**AS/NZS 1125** 

#### **APPROVALS**

SAA Certainfication (SAA-173128-EA)

#### **VOLTAGE RATING**

0.6/1kV

#### CABLE CONSTRUCTION

Conductor: Plain annealed copper

Insulation: XLPE X-90

Sheath: Polyvinylchloride compound PVC 5V-90

#### **COLOUR CODE**

Insulation colour:

Black, other colors are available upon request

Sheath colour:

Black, other colors are available upon request

#### **TECHNICAL CHARACTERISTICS**

Nom.	Current	Current	Current	Current	Maximum	Maximum	Reactance	Voltage
Cross-	Ratings In	Ratings	Ratings In	Ratings	DC	AC		Drop
Section	conduit In	Buried	conduit In	Buried	Resistance	Resistance		at Max
Area		In Ducts		In Ducts	@20°C	@90°C		Operating



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	Air (Three Phase)	(Three Phase)	Air (Single Phase)	(Single Phase)				Temperature (Three Phase)
mm²	А	А	А	А	Ohm/km	Ohm/km	Ohm/km	mV/A/m
400	616	621		717	0.047	0.065	0.080	0.183

### **DIMENSION AND PARAMETERS**

No. of Cores  × Cross- sectional Area	Conductor Stranding	Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Approx. Weight
No.×mm²		mm	mm	mm	kg/km
1x400	60	2.0	1.9	31.7	4245