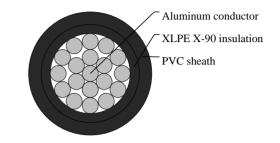


# Caledonian

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: Aluminum 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
50	138	139	149	161	0.641	0.822	0.0924	1.43

# DIMENSION AND PARAMETERS

No. of Cores × Cross- sectional Area	Conductor Stranding	Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Approx. Weight
No.×mm <sup>2</sup>		mm	mm	mm	kg/km
1x50	19	1.0	1.4	13.1	260