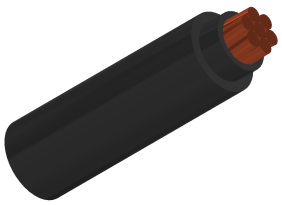
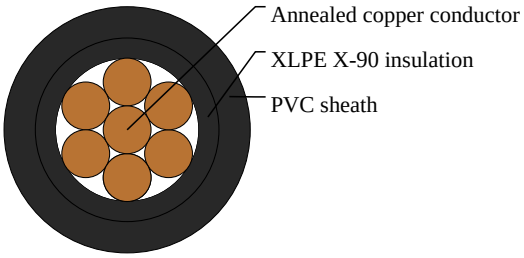
Caledonian

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

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	Air (Three Phase)	(Three Phase)	Air (Single Phase)	(Single Phase)				Temperature (Three Phase)
mm²	A	A	A	A	Ohm/km	Ohm/km	Ohm/km	mV/A/m
25	121	123	127	144	0.727	0.927	0.102	1.62

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
1x25	7	0.9	1.4	11.3	320