Prysmian Australia Pty Ltd
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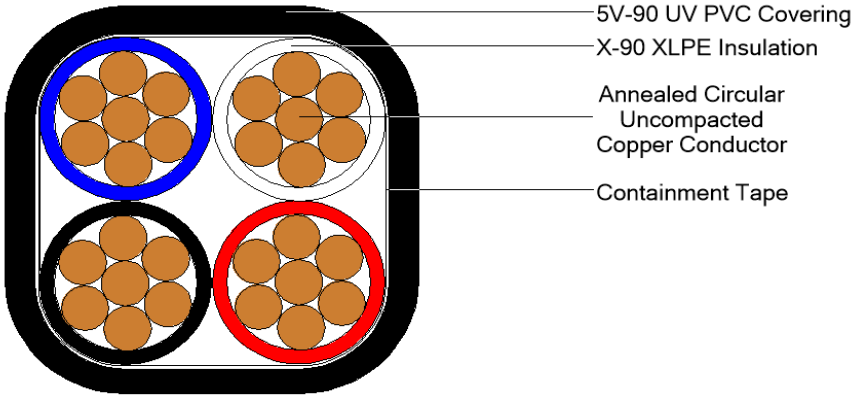
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CABLE DESCRIPTION

0.6/1KV 4 Core 16mm^2 Annealed Uncompacted Copper Conductor, X-90 Insulated, Un-filled, Laid-Up, Taped, 5V-90 PVC UV Covering

Reference Number: 20199340	STANDARD: AS/NZS 4026-5 - LV Service Cables



PHYSICAL CHARACTERISTICS		
Conductor Type	Cu	
Number of Cores	4C	
Conductor Cross Sectional Area (Nominal)	mm²	16
Phase Conductor Stranding	No./mm	7/1.70
Conductor Diameter (Nominal)	mm	5.1
Conductor Insulation Thickness (Nominal)	mm	1.5
Covering MAP	mm	1.0
Overall Cable Diameter (Nominal)	mm	23.2
Maximum Pulling Tension Conductor(s)	kN	4.5
Maximum Pulling Tension Stocking	kN	2.8
Minimum Bending Radius During Installation	mm	140
Minimum Bending Radius Installed	mm	95
Weight of Cable (Approximate)	kg/m	0.9

ELECTRICAL CHARACTERISTICS (a)		
DC Resistance at 20°C (Maximum)	Ω/km @20°C	1.15
AC Resistance (Maximum)	Ω/km @90°C & 50Hz	1.47
Voltage Drop Single Phase	mV/A.m @90°C & 50Hz	2.94
Reactance Per Core	Ω/km @ 50Hz	0.0805
Maximum Conductor Operating Temperature	°C	90
Short Circuit Temperature	°C	250
Conductor Short Circuit Rating	kA for 1 sec	2.3

CURRENT RATINGS (a) (b)		
In Air - Spaced	A	88
Buried Direct	A	110
In Underground - Duct	A	81

(a) Values given are calculated only.

(b) Based on 90°C conductor temperature, 40°C ambient air temperature and where applicable, burial depth of 0.5 m, soil temperature 25°C and soil thermal resistivity of 1.2°C.m/W. Refer to AS/NZS 3008.1.1:2017 for other installation conditions

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Customer Acceptance:
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Position:
Company:
Date:

Printed: 5/04/2018

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Issue Date: 5/04/2018
Reaseon for a re-issue: NOT APPLICABLE - FIRST ISSUE