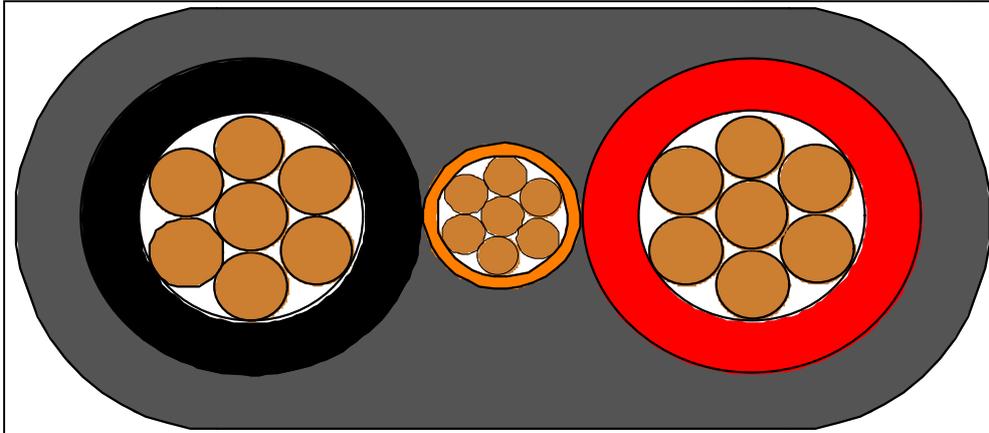


CABLE DESCRIPTION

450/750 V, 16 mm² 2-Core + Earth 2.5 mm² Copper Conductor, V-90 PVC Insulated, 3V-90 PVC Sheathed Black, Flat Type Cable.

Reference Number: R 6313429000095000

STANDARD: AS/NZS 5000.2 - 450/750 V Power



PHYSICAL CHARACTERISTICS

Conductor Type		Cu
Number of Cores		2
Phase Conductor Cross Sectional Area (Nominal)	mm ²	16
Phase Conductor Diameter (Nominal)	mm	5.1
Phase Conductor Diameter Over Insulation (Nominal)	mm	7.2
Phase Conductor Insulation Thickness (Nominal)	mm	1
Neutral Conductor Cross Sectional Area (Nominal)	mm	2.5
Overall Cable Diameter (Nominal)	mm	10
Outer Sheath Oxygen Index	%	23.4
Maximum Pulling Tension Conductor(s)	kN	2.2
Maximum Pulling Tension Stocking	kN	1.2
Minimum Bending Radius During Installation	mm	60
Minimum Bending Radius Installed	mm	40
Weight of Cable (Approximate)	kg/m	0.55

ELECTRICAL CHARACTERISTICS (a)

DC Resistance at 20°C (Maximum)	Ω/km @20°C	1.15
AC Resistance (Maximum)	Ω/km @75°C & 50Hz	1.4
Maximum Conductor Operating Temperature	°C	75
Short Circuit Temperature	°C	160
Conductor Short Circuit Rating	kA for 1 sec	1.776

CURRENT RATINGS (a) (b)

In Air - Spaced	A	85
Wiring Enclosure in Air	A	68
In Underground - Duct	A	86

(a) Values given are calculated only.

(b) Based on 75°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:
 Name:
 Position:
 Company:
 Date:

Prepared By:
 Name: Ruilong
 Position:
 Issue Date: 24/05/2019
 Reason for a re-issue: NOT APPLICABLE - FIRST ISSUE

Printed: 24/05/2019