



|  |                             |   |
|--|-----------------------------|---|
| <b>APPLICATION</b><br><br>Can be used in dry situations for double insulated appliances and luminaires where the cord may be subject to some mechanical stress but not rough usage. eg: Hand held lamps, office machines, etc. | <b>STANDARD VOLTAGE</b>     | AS/NZS 3191<br>250/440V   |
|  | <b>CONDUCTOR INSULATION</b> | Copper 0.75 - 4mm <sup>2</sup><br>PVC, V-95<br>Blue, Brown & Green/Yellow |
|  | <b>SHEATH</b>               | PVC, 5V-90<br>Black, Grey or White.                                       |
|  | <b>MAX. OPERATING TEMP.</b> | 60 °C (75°C)*   |

| Item Number | Conductor       |          | Overall Diameter |            | Approx. Mass<br>kg/km | Minimum Installed Bending Radius<br>mm |
|-------------|-----------------|----------|------------------|------------|-----------------------|--|
|             | mm <sup>2</sup> | (No./mm) | Minimum mm       | Maximum mm |                       |  |
| DC923       | 0.75            | 24/0.20  | 6.5              | 7.1        | 70                    | 40                                     |
| DC933       | 1               | 32/0.20  | 7.0              | 7.5        | 100                   | 45                                     |
| DC943       | 1.5             | 30/0.25  | 8.3              | 8.8        | 120                   | 55                                     |
| DC953       | 2.5             | 50/0.25  | 10.1             | 10.7       | 150                   | 65                                     |
| DC963       | 4               | 56/0.30  | 11.3             | 11.9       | 230                   | 70                                     |

**NB:** We may not stock all sizes in all colour variations

\*75°C rating only applicable when used as an interconnecting link.

| CONDUCTOR<br>Nominal Area | CURRENT RATING  |   | ELECTRICAL CHARACTERISTICS           |                                      |                                      |  |
|---------------------------|---|---|--------------------------------------|--------------------------------------|--------------------------------------|--|
|                           | Unenclosed<br>In Air (a)<br>60°C<br> | Unenclosed<br>In Air (b)<br>75°C<br> | Maximum<br>DC<br>Resistance<br>@20°C | Maximum<br>AC<br>Resistance<br>@60°C | Maximum<br>AC<br>Resistance<br>@75°C | Single<br>Phase<br>Voltage<br>Drop<br>@ 75°C |
| mm <sup>2</sup>           | A   | A   | Ω/km                                 | Ω/km                                 | Ω/km                                 | mV/Am  |
| 0.75                      | 7.5   | 9.5   | 26.0                                 | 30.1                                 | 31.6                                 | 63.2   |
| 1                         | 10  | 13  | 19.5                                 | 22.6                                 | 23.7                                 | 47.5   |
| 1.5                       | 16  | 16  | 13.3                                 | 15.4                                 | 16.2                                 | 32.3   |
| 2.5                       | 20  | 21  | 7.98                                 | 9.23                                 | 9.70                                 | 19.4   |
| 4                         | 25  | 28  | 4.95                                 | 5.73                                 | 6.02                                 | 12.0   |

- (a) Based on 25°C ambient air temperature, maximum 60°C conductor temperature.  
(b) Based on 40°C ambient temperature, 75°C conductor temperature. Rating only applicable when used as an interconnecting link in a permanent installation, where not subject to flexing.

The above information is from the following sources: AS/NZS 3008.1.1:2009 (tables 13, 16, 37, 47)  
AS 1125:2008 (table 2.5)

For installation with thermal insulation refer to AS/NZS 3008 for de-rating factors.  
Do not put in direct contact with polystyrene, polyurethane or similar thermal insulation materials.

# *DOMINION WIRE & CABLES LTD.*

**QUALITY CABLE MANUFACTURES, DISTRIBUTORS AND EXPORTERS**

**LOT 3, KINGS ROAD, YALALEVU, BA. P.O. BOX 1562, BA, FIJI.**

**PHONE: (679)6675244 FAX: (679)6670023,**

**E-Mail: [sales@dominioncables.com](mailto:sales@dominioncables.com)**

**web: [www.dominioncables.com](http://www.dominioncables.com)**

Dominion Cables is a leader in the Cable Industry. The services of sales and technical staff are always available to assist with any enquiry.  
The Dominion Cables policy is one of continual improvement. Details as published may be subject to change.

This brochure is distributed with the understanding that the authors and editors are not responsible for the results of any action taken on the basis of information in this work, or any errors or omissions. Further, Dominion Cables is not engaged in rendering professional services. Dominion Cables expressly disclaims all and any liability to any person in respect of anything and of the consequences of anything done or omitted to be done by any such person in reliance whether whole or partial of the whole or any part of the contents of this publication. All rights reserved.