

### Application

- ✓ Low-tension electric wire for Automobiles.
- ✓ Used in Motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits.
- ✓ Especially used for circuits requiring heat resistance.

### Features

- ✓ Flame retardant.
- ✓ Highly resistant against acids, alkaline, petrol and diesel.
- ✓ Extra flexibility.
- ✓ RoHS.

### Product Construction

- ✓ Conductor : Flexible Bare copper conductor.
- ✓ Insulation : Silicon rubber.  
(Reduced wall thickness).
- ✓ Color : As per customer order.

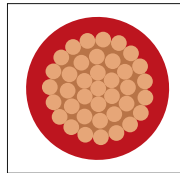
### Technical Data

- ✓ Temperature Range :  
-40°C to 200°C / 3000hrs.
- ✓ Voltage : 60V.
- ✓ Min. Bending radius : 5xCable OD.
- ✓ FL : Automotive cable.
- ✓ R : Reduced wall thickness.
- ✓ 2G : Silicone Rubber (SIR).
- ✓ Standard : ISO 19642-3.

Automotive  
Cables

FLR2G-F

### 2D View



### Approvals Accreditations Certifications



| Part Number | Conductor Construction |                |                              |                         | Insulation Wall Thickness Min. | Cable Overall Diameter |      | Weight Approx. | Max. Conductor Resistance at 20°C | Current Carrying Capacity | Standard Length* |
|-------------|------------------------|----------------|------------------------------|-------------------------|--------------------------------|------------------------|------|----------------|-----------------------------------|---------------------------|------------------|
|             | Nominal Cross-Section  | No. of Strands | Diameter of Single wire Max. | Conductor Diameter Max. |                                | Min.                   | Max. |                |                                   |                           |                  |
|             | mm <sup>2</sup>        | nos.           | mm                           | mm                      | mm                             | mm                     | mm   | kg/km          | Ω/km                              | Amps                      | mtrs             |
| D22327XX    | 10                     | 320            | 0.21                         | 4.5                     | 0.48                           | 5.3                    | 6.0  | 102            | 1.82                              | 135                       | 500              |
| D223A11XX   | 12                     | 380            | 0.21                         | 5.4                     | 0.48                           | 5.8                    | 6.5  | 128            | 1.52                              | 153                       | 500              |
| D22328XX    | 16                     | 512            | 0.21                         | 6.3                     | 0.52                           | 6.4                    | 7.2  | 168            | 1.16                              | 181                       | 500              |
| D22356XX    | 20                     | 610            | 0.21                         | 6.9                     | 0.52                           | 7.0                    | 7.8  | 203            | 0.955                             | 205                       | 500              |
| D22330XX    | 25                     | 790            | 0.21                         | 7.8                     | 0.52                           | 7.9                    | 8.7  | 242            | 0.743                             | 239                       | 500              |
| D22357XX    | 30                     | 900            | 0.22                         | 8.3                     | 0.64                           | 8.7                    | 9.6  | 291            | 0.647                             | 257                       | 500              |
| D22332XX    | 35                     | 1070           | 0.21                         | 9.0                     | 0.64                           | 9.4                    | 10.4 | 366            | 0.527                             | 294                       | 500              |
| D22358XX    | 40                     | 1200           | 0.21                         | 9.6                     | 0.71                           | 10.0                   | 11.1 | 397            | 0.473                             | 315                       | 500              |
| D22334XX    | 50                     | 1600           | 0.21                         | 10.5                    | 0.71                           | 11.5                   | 12.2 | 528            | 0.368                             | 364                       | 500              |
| D22337XX    | 70                     | 1427           | 0.26                         | 12.5                    | 0.80                           | 13.0                   | 14.4 | 752            | 0.259                             | 449                       | 500              |
| D22338XX    | 95                     | 1936           | 0.26                         | 14.8                    | 0.90                           | 15.3                   | 16.7 | 977            | 0.196                             | 532                       | 500              |

Note : XX\* : Please add last two digits in the part number as per the colour code given hereunder replacing XX while ordering.

|                |             |               |              |              |                   |               |              |             |             |             |
|----------------|-------------|---------------|--------------|--------------|-------------------|---------------|--------------|-------------|-------------|-------------|
| Red - 01       | Yellow - 02 | Blue - 03     | Black - 04   | Green - 05   | Yellow-Green - 06 | Grey - 07     | Brown - 08   | White - 09  | Orange - 10 | Violet - 11 |
| Chocolate - 12 | Tan - 13    | Charcoal - 14 | LT Blue - 15 | DK Grey - 16 | LT Green - 17     | DK Green - 18 | DK Blue - 19 | Purple - 20 | Pink - 21   |             |

- ✓ \* Other length as per Customer order.
- ✓ Current Carrying capacity given is for the maximum conductor operating temperature of 200°C and ambient temperature of 40°C.
- ✓ \*\* We have obtained various approvals, accreditations, and certifications — some of which may not be relevant to this catalog.



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