

### Application

- ✓ Light weight battery cable with standard aluminium conductor.
- ✓ Electrical vehicle charging station.
- ✓ Portable cables for hybrid & electric vehicles.
- ✓ Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places.

### Product Construction

- ✓ Conductor : Aluminium Alloy Conductor EAL 99,7 acc. to EN 573-3 (Asymmetrical Structure B).
- ✓ Insulation : PVC (Standard wall thickness).
- ✓ Color :As per Customer order.

### Technical Data

- ✓ Temperature Range : -40°C to 105°C / 3000hrs.
- ✓ Voltage : 60V.
- ✓ Min. Bending radius : 5 x Cable OD (Static).
- ✓ FL - Automotive cable.
- ✓ AL - Aluminium.
- ✓ Y - PVC (Polyvinyl chloride plasticized).
- ✓ B - Structure B.
- ✓ Standard : ISO 19642-4, LV 112-2.

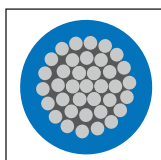
### Features

- ✓ Flame retardant.
- ✓ RoHS.
- ✓ Highly resistant against acids, alkaline, petrol and diesel.
- ✓ Extra flexibility.
- ✓ Light weight
- ✓ Excellent resistance to oil and flame.

 Automotive  
Cables

FLALY - B

### 2D View



### Approvals Accreditations Certifications



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| 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             |
| D28227XX*   | 10.00                  | 50             | 0.52                         | 4.5                     | 0.80                           | 5.9                    | 6.5  | 50             | 3.03                              | 75                        | 500              |
| D282A11XX   | 12.00                  | 60             | 0.52                         | 5.4                     | 0.80                           | 6.6                    | 7.4  | 65             | 2.53                              | 86                        | 500              |
| D28228XX    | 16.00                  | 78             | 0.52                         | 5.8                     | 0.80                           | 7.7                    | 8.3  | 78             | 1.93                              | 100                       | 500              |
| D28256XX    | 20.00                  | 95             | 0.52                         | 6.9                     | 0.88                           | 8.1                    | 9.10 | 95             | 1.59                              | 133                       | 500              |
| D28230XX    | 25.00                  | 122            | 0.52                         | 7.8                     | 1.04                           | 9.4                    | 10.4 | 120            | 1.24                              | 115                       | 500              |
| D28257XX    | 30.00                  | 141            | 0.52                         | 8.3                     | 1.04                           | 9.7                    | 10.9 | 135            | 1.08                              | 145                       | 500              |
| D28232XX    | 35.00                  | 172            | 0.52                         | 8.5                     | 1.04                           | 9.6                    | 11.6 | 170            | 0.878                             | 161                       | 500              |
| D28257XX    | 40.00                  | 193            | 0.52                         | 9.6                     | 1.12                           | 11.2                   | 12.4 | 180            | 0.788                             | 174                       | 500              |
| D28234XX    | 50.00                  | 247            | 0.52                         | 10.5                    | 1.20                           | 11.5                   | 13.5 | 215            | 0.613                             | 201                       | 500              |
| D28235XX    | 60.00                  | 289            | 0.52                         | 11.6                    | 1.20                           | 13.4                   | 14.6 | 250            | 0.525                             | 221                       | 500              |
| D28237XX    | 70.00                  | 351            | 0.52                         | 12.5                    | 1.20                           | 14.8                   | 15.5 | 280            | 0.432                             | 248                       | 500              |
| D28238XX    | 95.00                  | 463            | 0.52                         | 14.8                    | 1.28                           | 16.8                   | 18.0 | 370            | 0.327                             | 293                       | 500              |
| D28241XX    | 120.00                 | 305            | 0.72                         | 15.4                    | 1.28                           | 17.7                   | 18.8 | 450            | 0.255                             | 331                       | 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   |             |

Note :

- ✓ \*Other length as per Customer order.
- ✓ Current Carrying capacity given is for the maximum conductor operating temperature of 105°C and ambient air 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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