

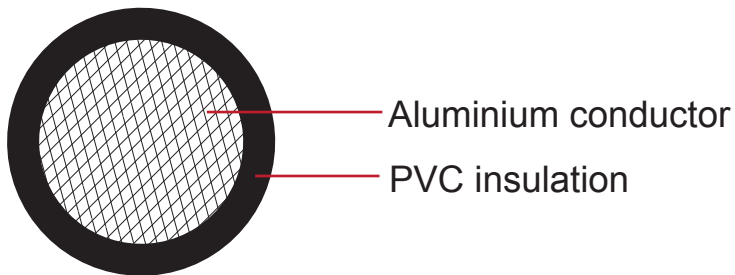
# Automotive Cable

## FLALRY

### Application and Description:

This PVC insulated automotive cable is designed for telecommunication overhead contract line and electronics.

### Cable Construction:



#### Conductor:

Aluminium 99.7%  $\geq 1.25 \text{ mm}^2$   
Aluminium alloy  $< 1.25 \text{ mm}^2$

Insulation: PVC

Standard: ISO 6722 Class B

### Special properties:

Cables with cross-sections  $> 10 \text{ mm}^2$  can be used as battery cables

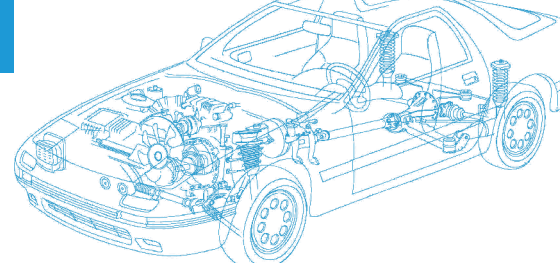
Considerable weight savings compared to copper

### Technical Parameters:

Operating temperature:  $-40^\circ\text{C}$  to  $+105^\circ\text{C}$

| Nominal Cross-section | Conductor Construction |                            |                                    | Insulation Nominal Thickness | Cable                 |                       | Weight Approx. |
|-----------------------|------------------------|----------------------------|------------------------------------|------------------------------|-----------------------|-----------------------|----------------|
|                       | No. and Dia. of Wires  | Diameter of Conductor max. | Electrical Resistance at 20°C max. |                              | Overall Diameter min. | Overall Diameter max. |                |
| mm <sup>2</sup>       | no./mm                 | mm                         | mΩ/m                               | mm                           | mm                    | mm                    | kg/km          |
| 1x0.75                | 11/0.3                 | 1.3                        | 43.6                               | 0.24                         | 1.7                   | 1.9                   | 4              |
| 1x1.00                | 16/0.29                | 1.5                        | 32.7                               | 0.24                         | 1.9                   | 2.1                   | 5              |
| 1x1.25                | 16/0.32                | 1.7                        | 24.8                               | 0.24                         | 2.1                   | 2.3                   | 6              |
| 1x1.50                | 16/0.35                | 1.8                        | 21.2                               | 0.24                         | 2.2                   | 2.4                   | 7              |
| 1x2.0                 | 15/0.42                | 2.0                        | 15.7                               | 0.28                         | 2.5                   | 2.8                   | 9              |

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|-----------------------|------------------------|----------------------------|------------------------------------|-------------------|-----------------------|-----------------------|----------------|
|                       | No. and Dia. of Wires  | Diameter of Conductor max. | Electrical Resistance at 20°C max. | Nominal Thickness | Overall Diameter min. | Overall Diameter max. | Weight Approx. |
| mm <sup>2</sup>       | no./mm                 | mm                         | mΩ/m                               | mm                | mm                    | mm                    | kg/km          |
| 1x2.5                 | 19/0.43                | 2.2                        | 12.7                               | 0.28              | 2.7                   | 3.0                   | 12             |
| 1x3.0                 | 23/0.42                | 2.4                        | 10.2                               | 0.32              | 3.1                   | 3.4                   | 14             |
| 1x4.0                 | 30/0.42                | 2.8                        | 7.85                               | 0.32              | 3.4                   | 3.7                   | 17             |
| 1x5.0                 | 36/0.42                | 3.1                        | 6.57                               | 0.32              | 3.9                   | 4.2                   | 19             |
| 1x6.0                 | 45/0.42                | 3.4                        | 5.23                               | 0.32              | 4.0                   | 4.3                   | 23             |
| 1x8.0                 | 59/0.42                | 4.3                        | 3.97                               | 0.32              | 4.6                   | 5.0                   | 29             |
| 1x10.0                | 50/0.52                | 4.5                        | 3.03                               | 0.48              | 5.3                   | 6.0                   | 43             |
| 1x12.0                | 60/0.52                | 5.4                        | 2.53                               | 0.48              | 5.8                   | 6.5                   | 50             |
| 1x16.0                | 78/0.52                | 5.8                        | 1.93                               | 0.52              | 6.4                   | 7.2                   | 63             |

Note: Other configurations, sizes, colors and length not specified herein are available upon request.

