

**Application**

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

**Product Construction**

- ✓ Conductor : Soft-annealed electrolytic Copper E-Cu ETP1 according to DIN 13602, bare or tinned. Conductor construction according to DIN 72551, Part 6, type A and ISO 6722 (concentric construction-unilay).
- ✓ Insulation : Plasticized PVC with properties according to DIN 72551 and ISO 6722, Class B, Lead free.
- ✓ Colour : As per customer order.

**Technical Data**

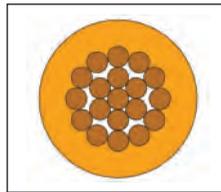
- ✓ Temperature Range : - 40°C to +105°C (3000 Hours)
- ✓ Standard : DIN 72551 - 6  
BMW GS 95007-1  
Ford WSK 1A348-A2  
FIAT 91107/13
- ✓ Test Voltage : 3KV i.e <0.5mm<sup>2</sup>  
5KV i.e >0.5mm<sup>2</sup>
- ✓ FL : Automotive cable, low voltage
- ✓ R : Reduced insulation wall thickness
- ✓ Y : PVC
- ✓ Type A : Concentric (Unilay) Conductor
- ✓ Conductor Resistance : IEC 60228 / BS 6360
- ✓ Rated Voltage : 600 V AC / 600 V DC

**Features**

- ✓ Flame retardant
- ✓ Highly resistant against acids, lyes, Petrol and diesel.

Automotive Cables **FLRY-A**

**2D View**



**Approvals Accreditations Certifications**



| Part Number | Conductor Construction |                |                              |                         | Insulation Wall Thickness Min. | Cable                 |                | 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. |                                | Overall Diameter Max. | Weight Approx. | Bare                              | Tinned |                           |                  |
|             |                        |                |                              |                         |                                |                       |                | Ω/km                              | Ω/km   |                           |                  |
|             | mm <sup>2</sup>        | nos.           | mm                           | mm                      | mm                             | mm                    | kg/km          |                                   |        | Amps                      | mtrs             |
| 81702XX*    | 0.22                   | 7              | 0.21                         | 0.70                    | 0.20                           | 1.20                  | 3              | 84.8                              | 86.5   | 8                         | 500              |
| 81705XX     | 0.35                   | 7              | 0.26                         | 0.80                    | 0.22                           | 1.30                  | 5              | 52.0                              | 54.5   | 10                        | 500              |
| 81706XX     | 0.5                    | 19             | 0.19                         | 1.00                    | 0.22                           | 1.60                  | 6              | 37.1                              | 38.2   | 13                        | 500              |
| 81708XX     | 0.75                   | 19             | 0.23                         | 1.20                    | 0.24                           | 1.90                  | 9              | 24.7                              | 25.4   | 17                        | 500              |
| 81710XX     | 1                      | 19             | 0.26                         | 1.35                    | 0.24                           | 2.10                  | 11             | 18.5                              | 19.1   | 21                        | 500              |
| 81713XX     | 1.5                    | 19             | 0.32                         | 1.70                    | 0.24                           | 2.40                  | 16             | 12.7                              | 13.0   | 27                        | 500              |
| 81716XX     | 2.5                    | 19             | 0.41                         | 2.20                    | 0.28                           | 3.00                  | 26             | 7.6                               | 7.8    | 38                        | 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   |             |

✓ Current Carrying capacity given is for the maximum conductor operating temperature of 105°C and ambient air temperature of 40°C.

✓ \* Other length as per Customer order.

\*\* We have obtained various approvals, accreditations, and certifications — some of which may not be relevant to this catalog.



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