

## CuPr/18

**CuPr/18** Automotive low voltage cable with reduced thickness of insulation made of heat-resistant synthetic resin and flexible copper conductor

**Application** Single conductor automotive cable designed for the maximum rated voltage of 300V DC or 220V AC.

### Technical data

**Conductor:** Cu-ETP1 (acc. to EN-13602), multi wire, flexible (acc. to FIAT 91107/18)  
**Insulation:** Synthetic resin  
**Sheath:** Not applicable  
**Temperature range:** T2: -40°C ÷ +105°C  
**Standards:** FIAT 91 107/18; ECE-R 117  
 Cables conform to the requirements of REACH Regulation and RoHS Directive.

### Technical characteristics

#### CuPr/18

| Number of conductors<br>x Nominal Cross-section | Conductor structure |                      | Resistance at 20°C | Insulation thickness | Sheath thickness | Outer diameter of cable |        | Approximate weight of cable |
|-------------------------------------------------|---------------------|----------------------|--------------------|----------------------|------------------|-------------------------|--------|-----------------------------|
|                                                 | Number of wires     | Single wire diameter |                    |                      |                  |                         |        |                             |
|                                                 |                     | (max.)               | (max.)             | (min.)               | (nom.)           | (min.)                  | (max.) |                             |
| mm <sup>2</sup>                                 |                     | mm                   | mΩ/m               | mm                   | mm               | mm                      | mm     | kg/km                       |
| 1 x 0,35                                        | 7                   | 0,26                 | 52,00              | 0,20                 | --               | 1,20                    | 1,30   | 4,4                         |
| 1 x 0,50                                        | 16                  | 0,21                 | 37,10              | 0,22                 | --               | 1,40                    | 1,60   | 6,1                         |
| 1 x 0,75                                        | 24                  | 0,21                 | 24,70              | 0,24                 | --               | 1,70                    | 1,90   | 8,8                         |
| 1 x 1,00                                        | 32                  | 0,21                 | 18,50              | 0,24                 | --               | 1,90                    | 2,10   | 11,5                        |
| 1 x 1,50                                        | 30                  | 0,26                 | 12,70              | 0,24                 | --               | 2,20                    | 2,40   | 16,1                        |
| 1 x 2,00                                        | 40                  | 0,30                 | 9,42               | 0,30                 | --               | --                      | 2,60   | 20,8                        |
| 1 x 2,50                                        | 50                  | 0,26                 | 7,60               | 0,28                 | --               | 2,70                    | 3,00   | 26,5                        |
| 1 x 4,00                                        | 56                  | 0,31                 | 4,70               | 0,32                 | --               | 3,40                    | 3,70   | 41,1                        |
| 1 x 6,00                                        | 84                  | 0,31                 | 3,10               | 0,32                 | --               | 4,00                    | 4,30   | 61,6                        |
| 1 x 8,00                                        | 112                 | 0,32                 | 2,26               | 0,40                 | --               | --                      | 5,50   | 82,3                        |
| 1 x 10,00                                       | 80                  | 0,41                 | 1,82               | 0,48                 | --               | --                      | 6,00   | 105,8                       |

|           |     |      |      |      |    |    |       |       |
|-----------|-----|------|------|------|----|----|-------|-------|
| 1 x 16,00 | 96  | 0,41 | 1,16 | 0,52 | -- | -- | 7,90  | 168,6 |
| 1 x 25,00 | 126 | 0,41 | 0,74 | 0,52 | -- | -- | 9,40  | 248,9 |
| 1 x 30,00 | 240 | 0,41 | 0,64 | 1,04 | -- | -- | 11,00 | 325,3 |
| 1 x 35,00 | 276 | 0,41 | 0,53 | 1,04 | -- | -- | 11,60 | 372,9 |
| 1 x 50,00 | 400 | 0,41 | 0,37 | 1,20 | -- | -- | 13,50 | 540,6 |
| 1 x 70,00 | 555 | 0,41 | 0,26 | 1,20 | -- | -- | 15,50 | 747,4 |

#### Contact

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