



## Construction

|                     |  |
|---------------------|--|
| <b>Conductor</b>    | Flexible bare copper wires <ul style="list-style-type: none"><li>· Up to 0.34mm<sup>2</sup>: according to EN 13602</li><li>· From 0.5mm<sup>2</sup> (incl.): Class V according to UNE-EN 60228</li></ul> |
| <b>Insulation</b>   | PVC (Type T151)<br>Identification: Colour code according to DIN 47100  |
| <b>Assembly</b>     | Insulated conductors laid up together in concentric layers   |
| <b>Screen</b>       | Tinned copper wire braid<br>Coverage: 60% aprox.   |
| <b>Outer sheath</b> | PVC (Typo TM51)<br>Standard colour: Grey RAL 7032<br>(*Other colours under request)  |

## Technical characteristics

|  |  |
|--|--|
| <b>Operating voltage</b>                   | 250 V<br>(*Not suitable for direct connection to the power supply network or other low impedance sources). |
| <b>Test Voltage</b>                        | 1000 V   |
| <b>Operating T<sup>a</sup> (conductor)</b> | Fixed installation: -15°C +70°C  |
| <b>Insulation resistance</b>               | >20 MOhm*Km  |
| <b>Min. bending radius</b>                 | 8xD  |

## Application

Flexible shielded cable designed for use in industrial processes in fixed installations. For signal transmission between electronic devices, computer systems or process control units with electromagnetic compatibility requirements. Suitable for applications with free movement that require flexibility but without tensile stress.

\* CPR:

Cable suitable to be installed under the requirements of the CPR (Construction Product Regulation (EU) N ° 305/2011) in accordance with the classification (Euroclass) specified in this document.

## Standards / Properties

|                                       |                                    |
|---------------------------------------|------------------------------------|
| <b>Ref. for construction/drawing</b>  | UNE 212016 (Based on VDE 0812)     |
| <b>CPR Classification (Euroclass)</b> | Eca<br>(According to UNE-EN 50575) |
| <b>Flame Retardant</b>                | UNE-EN 60332-1 (IEC 60332-1)       |



## Construtive Data

| Code     | NxS (mm2)    | Ø exterior (mm) | Weight (kg/km) | Rt (Ohm/Km) |
|----------|--------------|-----------------|----------------|-------------|
| 04204202 | 2x0.14       | 4               | 21             | 138         |
| 04207202 | 3x0.14       | 4               | 40             | 138         |
| 04212102 | 4x0.14       | 4.2             | 43             | 138         |
| 04215102 | 5x0.14       | 4.6             | 47             | 138         |
| 04217402 | 6x0.14       | 4.9             | 52             | 138         |
| 04218902 | 7x0.14       | 4.9             | 54             | 138         |
| 04220702 | 8x0.14       | 5.3             | 58             | 138         |
| 04223102 | 10x0.14      | 6.2             | 76             | 138         |
| 04225402 | 12x0.14      | 6.3             | 81             | 138         |
| 04226702 | 14x0.14      | 6.6             | 89             | 138         |
| 04227902 | 16x0.14      | 6.9             | 97             | 138         |
| 04229102 | 18x0.14      | 7.2             | 100            | 138         |
| 04230302 | 20x0.14      | 7.7             | 116            | 138         |
| 04231502 | 21x0.14      | 7.7             | 131            | 138         |
| 04232702 | 24x0.14      | 8.3             | 158            | 138         |
| 04233802 | 25x0.14      | 8.4             | 165            | 138         |
| 04235002 | 27x0.14      | 8.4             | 179            | 138         |
| 04236202 | 30x0.14      | 8.7             | 194            | 138         |
|          | 32x0.14      | 9               | 198            | 138         |
| 04239502 | 36x0.14      | 9.4             | 231            | 138         |
| 04239802 | 40x0.14      | 10.5            | 252            | 138         |
| 04240902 | 44x0.14      | 11.1            | 276            | 138         |
|          | 48x0.14      | 11.2            | 301            | 138         |
| 04242102 | 50x0.14      | 11.5            | 327            | 138         |
| 04243302 | 52x0.14      | 11.5            | 340            | 138         |
|          | 56x0.14      | 11.8            | 399            | 138         |
| 04244402 | 61x0.14      | 12.1            | 377            | 138         |
| 04204302 | 2x0.22       | 4               | 29             | 88.6        |
| 04204300 | 2x0.22 Negro | 4               | 29             | 88.6        |
| 04204312 | 2x0.22 R100  | 7               | 29             | 88.6        |
| 04207302 | 3x0.22       | 4.1             | 34             | 88.6        |
| 04207312 | 3x0.22 R100  | 4.1             | 34             | 88.6        |
| 04212202 | 4x0.22       | 4.4             | 40             | 88.6        |
| 04212212 | 4x0.22 R100  | 4.4             | 40             | 88.6        |
| 04212200 | 4x0.22 Negro | 4.4             | 40             | 88.6        |
| 04215202 | 5x0.22       | 4.9             | 40             | 88.6        |
| 04217502 | 6x0.22       | 5.2             | 54             | 88.6        |
| 04217512 | 6x0.22 R100  | 5.2             | 54             | 88.6        |
| 04219002 | 7x0.22       | 5.2             | 61             | 88.6        |
| 04220802 | 8x0.22       | 5.9             | 66             | 88.6        |
| 04220812 | 8x0.22 R100  | 5.9             | 66             | 88.6        |
| 04223202 | 10x0.22      | 6.6             | 80             | 88.6        |
| 04223211 | 10x0.22 BL   | 6.6             | 80             | 88.6        |
| 04223212 | 10x0.22 R100 | 6.6             | 80             | 88.6        |

| Code     | NxS (mm2) | Ø exterior (mm) | Weight (kg/km) | Rt (Ohm/Km) |
|----------|-----------|-----------------|----------------|-------------|
| 04225502 | 12x0.22   | 6.7             | 91             | 88.6        |
| 04226802 | 14x0.22   | 7               | 120            | 88.6        |
| 04228002 | 16x0.22   | 7.4             | 135            | 88.6        |
| 04231602 | 21x0.22   | 8.2             | 163            | 88.6        |
| 04233902 | 25x0.22   | 9               | 220            | 88.6        |
| 04236302 | 30x0.22   | 9.4             | 243            | 88.6        |
| 04238302 | 36x0.22   | 10.7            | 280            | 88.6        |
| 04239902 | 40x0.22   | 11.2            | 302            | 88.6        |
| 04200410 | 1x0.25    |                 |                | 79          |
| 04204410 | 2x0.25    | 4.2             | 28             | 79          |
| 04207410 | 3x0.25    | 4.4             | 34             | 79          |
| 04212310 | 4x0.25    | 4.8             | 40             | 79          |
| 04215310 | 5x0.25    | 5.1             | 47             | 79          |
| 04217610 | 6x0.25    | 5.7             | 54             | 79          |
| 04219110 | 7x0.25    | 5.7             | 61             | 79          |
| 04220910 | 8x0.25    | 6.3             | 66             | 79          |
| 04223910 | 10x0.25   | 7               | 80             | 79          |
| 04225610 | 12x0.25   | 7.2             | 91             | 79          |
| 04226910 | 14x0.25   | 7.5             | 120            | 79          |
|          | 15x0.25   | 7.8             | 127            | 79          |
| 04228110 | 16x0.25   | 7.8             | 135            | 79          |
| 04229310 | 18x0.25   | 8.2             | 150            | 79          |
| 04230510 | 20x0.25   | 10.2            | 157            | 79          |
| 04231710 | 21x0.25   | 10.2            | 163            | 79          |
|          | 24x0.25   | 10.2            | 212            | 79          |
| 04234010 | 25x0.25   | 10.4            | 220            | 79          |
| 04235210 | 27x0.25   | 10.4            | 226            | 79          |
| 04236410 | 30x0.25   | 10.7            | 243            | 79          |
|          | 32x0.25   | 11              | 256            | 79          |
| 04238310 | 36x0.25   | 11.4            | 280            | 79          |
| 04240010 | 40x0.25   | 12              | 302            | 79          |
| 04241110 | 44x0.25   | 12.7            | 329            | 79          |
|          | 48x0.25   | 12.9            | 444            | 79          |
| 04242302 | 50x0.25   | 13.2            | 461            | 79          |
| 04243510 | 52x0.25   | 13.2            | 479            | 79          |
| 04291910 | 56x0.25   | 13.5            | 516            | 79          |
| 04244610 | 61x0.25   | 13.9            | 593            | 79          |
| 04204602 | 2x0.34    | 4.7             | 31             | 57.4        |
| 04207502 | 3x0.34    | 5               | 38             | 57.4        |
| 04212402 | 4x0.34    | 5.3             | 46             | 57.4        |
| 04215402 | 5x0.34    | 5.9             | 54             | 57.4        |
| 04217702 | 6x0.34    | 6.5             | 62             | 57.4        |
| 04219202 | 7x0.34    | 6.5             | 70             | 57.4        |
| 04221002 | 8x0.34    | 7.1             | 76             | 57.4        |
| 04223302 | 10x0.34   | 8               | 114            | 57.4        |
| 04225702 | 12x0.34   | 8.2             | 128            | 57.4        |

| Code     | NxS (mm2)  | Ø exterior (mm) | Weight (kg/km) | Rt (Ohm/Km) |
|----------|------------|-----------------|----------------|-------------|
| 04227002 | 14x0.34    | 8.6             | 141            | 57.4        |
| 04228202 | 16x0.34    | 9               | 155            | 57.4        |
| 04229402 | 18x0.34    | 10.2            | 186            | 57.4        |
| 04230602 | 20x0.34    | 10.8            | 195            | 57.4        |
| 04231802 | 21x0.34    | 10.8            | 201            | 57.4        |
| 04232902 | 24x0.34    | 11.7            | 244            | 57.4        |
| 04235302 | 27x0.34    | 11.9            | 261            | 57.4        |
| 04236502 | 30x0.34    | 12.3            | 282            | 57.4        |
|          | 32x0.34    | 12.7            | 298            | 57.4        |
| 04238402 | 36x0.34    | 13.2            | 325            | 57.4        |
| 04240102 | 40x0.34    | 13.8            | 352            | 57.4        |
| 04241202 | 44x0.34    | 15.2            | 399            | 57.4        |
|          | 48x0.34    | 15.5            | 544            | 57.4        |
| 04242402 | 50x0.34    | 15.9            | 566            | 57.4        |
| 04243602 | 52x0.34    | 15.9            | 589            | 57.4        |
|          | 56x0.34    | 16.3            | 634            | 57.4        |
| 04200602 | 1x0.5      |                 |                | 39          |
| 04204702 | 2x0.5      | 5.2             | 36             | 39          |
| 04204712 | 2x0.5 R100 | 5.2             | 36             | 39          |
| 04207602 | 3x0.5      | 5.5             | 45             | 39          |
| 04207612 | 3x0.5 R100 | 5.5             | 45             | 39          |
| 04212502 | 4x0.5      | 6.1             | 54             | 39          |
| 04212512 | 4x0.5 R100 | 6.1             | 54             | 39          |
| 04215502 | 5x0.5      | 6.5             | 67             | 39          |
| 04217802 | 6x0.5      | 7.1             | 76             | 39          |
| 04217812 | 6x0.5 R100 | 7.1             | 76             | 39          |
| 04219302 | 7x0.5      | 7.1             | 84             | 39          |
| 04221102 | 8x0.5      | 7.8             | 107            | 39          |
| 04221112 | 8x0.5 UDS  | 7.8             | 107            | 39          |
| 04223402 | 10x0.5     | 8.8             | 134            | 39          |
| 04225802 | 12x0.5     | 9               | 155            | 39          |
| 04228302 | 16x0.5     | 10.6            | 186            | 39          |
| 04229502 | 18x0.5     | 11.2            | 217            | 39          |
| 04230702 | 20x0.5     | 11.9            | 239            | 39          |
| 04231902 | 21x0.5     | 11.1            | 251            | 39          |
| 04233002 | 24x0.5     | 12.9            | 300            | 39          |
| 04234202 | 25x0.5     | 13.1            | 313            | 39          |
| 04235402 | 27x0.5     | 13.1            | 338            | 39          |
| 04236602 | 30x0.5     | 13.6            | 348            | 39          |
|          | 32x0.5     | 14              | 363            | 39          |
| 04240202 | 40x0.5     |                 |                | 39          |
| 04292202 | 42x0.5     | 16.8            | 525            | 39          |
| 04242502 | 50x0.5     | 17.5            | 625            | 39          |
| 04244802 | 61x0.5     | 18.9            | 764            | 39          |
| 04205202 | 2x0.75     | 5.8             | 62             | 26          |
| 04208102 | 3x0.75     | 6.1             | 73             | 26          |

| Code     | NxS (mm2)    | Ø exterior (mm) | Weight (kg/km) | Rt (Ohm/Km) |
|----------|--------------|-----------------|----------------|-------------|
| 04208100 | 3x0.75 Black | 6.1             | 73             | 26          |
| 04213002 | 4x0.75       | 6.5             | 92             | 26          |
| 04216002 | 5x0.75       | 7.1             | 110            | 26          |
| 04217902 | 6x0.75       | 7.7             | 128            | 26          |
| 04219402 | 7x.0.75      | 7.7             | 145            | 26          |
| 04221202 | 8x0.75       | 8.5             | 151            | 26          |
| 04223502 | 10x0.75      | 10.3            | 182            | 26          |
| 04225902 | 12x0.75      | 10.6            | 216            | 26          |
| 04229602 | 18x0.75      | 12.2            | 311            | 26          |
| 04230802 | 20x0.75      | 13              | 332            | 26          |
| 04233102 | 24x0.75      | 14.1            | 390            | 26          |
| 04234302 | 25x0.75      | 14.8            | 404            | 26          |
| 04236702 | 30x0.75      | 15.4            | 497            | 26          |
| 04237202 | 32x0.75      | 16              | 520            | 26          |
| 04240302 | 40x0.75      | 17.4            | 676            | 26          |
| 04201302 | 1x1          |                 |                | 19.5        |
| 04205402 | 2x1          | 6.2             | 74             | 19.5        |
| 04208302 | 3x1          | 6.5             | 89             | 19.5        |
| 04213202 | 4x1          | 7               | 107            | 19.5        |
| 04216102 | 5x1          | 7.6             | 132            | 19.5        |
| 04218002 | 6x1          | 8.3             | 147            | 19.5        |
| 04219502 | 7x1          | 8.3             | 158            | 19.5        |
| 04221302 | 8x1          | 9.2             | 179            | 19.5        |
| 04223602 | 10x1         | 11.1            | 215            | 19.5        |
| 04226002 | 12x1         | 11.4            | 254            | 19.5        |
| 04228502 | 16x1         | 12.5            | 330            | 19.5        |
| 04229702 | 18x1         | 13.2            | 366            | 19.5        |
| 04230902 | 20x1         | 14.1            | 399            | 19.5        |
| 04233202 | 24x1         | 25.7            | 440            | 19.5        |
| 04234402 | 25x1         | 16              | 478            | 19.5        |
| 04236802 | 30x1         | 16.7            | 502            | 19.5        |
| 04201400 | 1x1.5 Negro  |                 |                | 13.3        |
| 04205502 | 2x1.5        | 6.8             | 86             | 13.3        |
| 04208402 | 3x1.5        | 7.1             | 107            | 13.3        |
| 04213302 | 4x1.5        | 7.8             | 129            | 13.3        |
| 04216202 | 5x1.5        | 8.4             | 150            | 13.3        |
| 04219602 | 7x1.5        | 9.2             | 192            | 13.3        |
| 04221402 | 8x1.5        | 10.9            | 219            | 13.3        |
| 04223702 | 10x1.5       | 12.3            | 274            | 13.3        |
| 04226102 | 12x1.5       | 12.6            | 315            | 13.3        |
| 04229802 | 18x1.5       | 15.2            | 450            | 13.3        |
| 04231002 | 20x1.5       | 16.3            | 500            | 13.3        |

**Legend**

**Code** Cervi codification  
**NxS (mm2)** Number of conductors x Section (mm2)  
**Weight (kg/km)** Approximate cable weight (kg/km)

**Rt (Ohm/Km)**

Conductor resistance at 20°C (Ohm/km)