



## Construction

|                     |   |
|---------------------|---|
| <b>Conductor</b>    | Flexible bare copper wires<br>Class V Acc. to UNE-EN 60228                          |
| <b>Insulation</b>   | PVC<br>Identification:<br>-JZ: Black numbered + Yellow/Green<br>-OZ: Black numbered |
| <b>Assembly</b>     | Insulated conductors laid-up together in concentric layers + Overall tape           |
| <b>Screen</b>       | Bare copper wire braid<br>Coverage: 70% aprox.                                      |
| <b>Outer sheath</b> | PVC<br>Colour: Grey (RAL 7001)  |

## Technical characteristics

|  |   |
|--|---|
| <b>Operating voltage</b>                   | 300/500 V   |
| <b>Test Voltage</b>                        | 2000 V  |
| <b>Operating T<sup>a</sup> (conductor)</b> | Service: -40°C +70°C<br>During Installation: -5°C Minimum |
| <b>Min. bending radius</b>                 | Fixed installation: 10xD                                  |

## Application

Flexible shielded control and instrumentation cable designed for use in industrial processes and machinery in fixed installations. In environments where good electromagnetic protection is required. The cable is also resistant to the most common chemicals, oils and greases in the industrial sector.

\*CPR:

Cable suitable for installation under the requirements of CPR (Construction Product Regulation (EU) N°305/2011) according to the classification (Euroclass) specified in this document.

## Standards / Properties

|                                       |                                |
|---------------------------------------|--------------------------------|
| <b>Flame Retardant</b>                | VDE 0482-332-1-2 (IEC 60332-1) |
| <b>CPR Classification (Euroclass)</b> | Eca (According UNE-EN 50575)   |
| <b>Oil resistant</b>                  | EN 60811-2-1                   |



**Constructive Data - YSLCY-JZ**

| Code     | NxS (mm2) | Ø exterior (mm) | Weight (kg/km) | Rt (Ohm/Km) |
|----------|-----------|-----------------|----------------|-------------|
| 25807602 | 3G0.5     | 6.1             | 57             | 39          |
| 25812502 | 4G0.5     | 6.5             | 72             | 39          |
| 25815502 | 5G0.5     | 7.1             | 86             | 39          |
| 25817802 | 6G0.5     | 7.4             | 89             | 39          |
| 25819302 | 7G0.5     | 7.9             | 119            | 39          |
| 25821102 | 8G0.5     | 8.5             | 124            | 39          |
| 25823402 | 10G0.5    | 9.7             | 142            | 39          |
| 25825802 | 12G0.5    | 10              | 183            | 39          |
| 25827102 | 14G0.5    | 10.4            | 190            | 39          |
| 25828302 | 16G0.5    | 11.2            | 210            | 39          |
| 25829502 | 18G0.5    | 11.9            | 248            | 39          |
| 25830702 | 20G0.5    | 12.4            | 255            | 39          |
| 25831902 | 21G0.5    | 12.5            | 250            | 39          |
| 25833002 | 24G0.5    | 12.9            | 300            | 39          |
| 25834202 | 25G0.5    | 14.1            | 308            | 39          |
| 25836602 | 30G0.5    | 14.4            | 360            | 39          |
|          | 32G0.5    | 15.2            | 425            | 39          |
|          | 34G0.5    | 15.3            | 433            | 39          |
| 25838502 | 36G0.5    | 15.7            | 446            | 39          |
| 25840202 | 40G0.5    | 16.5            | 475            | 39          |
|          | 41G0.5    | 17.1            | 486            | 39          |
| 25842502 | 50G0.5    | 18.4            | 573            | 39          |
| 25844802 | 61G0.5    | 19.8            | 653            | 39          |
|          | 80G0.5    | 21.9            | 784            | 39          |
|          | 100G0.5   | 24.3            | 995            | 39          |
| 25808102 | 3G0.75    | 6.5             | 69             | 26          |
| 25813002 | 4G0.75    | 7.1             | 88             | 26          |
| 25816002 | 5G0.75    | 7.8             | 120            | 26          |
| 25817902 | 6G0.75    | 8.1             | 113            | 26          |
| 25819402 | 7G0.75    | 8.6             | 153            | 26          |
| 25821202 | 8G0.75    | 9.4             | 145            | 26          |
| 25823502 | 10G0.75   | 10.7            | 192            | 26          |
| 25825902 | 12G0.75   | 11.1            | 220            | 26          |
| 25827202 | 14G0.75   | 11.4            | 225            | 26          |
| 25828402 | 16G0.75   | 12.1            | 275            | 26          |
| 25829602 | 18G0.75   | 12.9            | 306            | 26          |
|          | 19G0.75   | 13.2            | 308            | 26          |
| 25830802 | 20G0.75   | 13.6            | 336            | 26          |
| 25832002 | 21G0.75   | 13.8            | 380            | 26          |
| 25833102 | 24G0.75   | 15.5            | 425            | 26          |
| 25834302 | 25G0.75   | 15.6            | 431            | 26          |
| 25835502 | 27G0.75   | 15.8            | 435            | 26          |
| 25836702 | 30G0.75   | 16.1            | 450            | 26          |
| 25837202 | 32G0.75   | 17.1            | 488            | 26          |

| Code     | NxS (mm2) | Ø exterior (mm) | Weight (kg/km) | Rt (Ohm/Km) |
|----------|-----------|-----------------|----------------|-------------|
| 25837202 | 34G0.75   | 17.8            | 521            | 26          |
|          | 36G0.75   | 17.9            | 535            | 26          |
| 25839102 | 37G0.75   | 18.1            | 592            | 26          |
| 25840302 | 40G0.75   | 18.3            | 613            | 26          |
| 25843002 | 41G0.75   | 18.4            | 622            | 26          |
| 25842602 | 50G0.75   | 20.8            | 777            | 26          |
| 25844902 | 61G0.75   | 23.7            | 900            | 26          |
|          | 80G0.75   | 27.4            | 1210           | 26          |
|          | 100G0.75  | 27.8            | 1445           | 26          |
| 25808302 | 3G1       | 7.4             | 100            | 19.5        |
| 25813202 | 4G1       | 7.6             | 117            | 19.5        |
| 25816102 | 5G1       | 7.8             | 127            | 19.5        |
| 25818002 | 6G1       | 8.5             | 144            | 19.5        |
| 25819502 | 7G1       | 9.1             | 178            | 19.5        |
| 25821302 | 8G1       | 9.9             | 197            | 19.5        |
| 25823602 | 10G1      | 12.1            | 235            | 19.5        |
| 25826002 | 12G1      | 12.4            | 275            | 19.5        |
| 25827302 | 14G1      | 13.1            | 302            | 19.5        |
| 25828502 | 16G1      | 13.7            | 346            | 19.5        |
| 25829702 | 18G1      | 13.9            | 380            | 19.5        |
| 25830002 | 19G1      | 14.2            | 412            | 19.5        |
| 25830902 | 20G1      | 15.8            | 468            | 19.5        |
| 25833202 | 24G1      | 16.2            | 493            | 19.5        |
| 25834402 | 25G1      | 18              | 607            | 19.5        |
| 25835602 | 27G1      | 16.2            | 562            | 19.5        |
| 25834902 | 28G1      | 16.7            | 595            | 19.5        |
| 25836802 | 30G1      | 17.4            | 643            | 19.5        |
| 25837302 | 34G1      | 20.6            | 746            | 19.5        |
| 25839202 | 37G1      | 21.1            | 790            | 19.5        |
| 25840402 | 40G1      | 21.2            | 835            | 19.5        |
| 25840702 | 41G1      | 21.4            | 843            | 19.5        |
| 25842702 | 50G1      | 24.2            | 1015           | 19.5        |
| 25845002 | 61G1      | 27.3            | 1205           | 19.5        |
|          | 80G1      | 27.6            | 1445           | 19.5        |
|          | 100G1     | 28.8            | 1613           | 19.5        |
| 25808402 | 3G1.5     | 7.7             | 115            | 13.3        |
| 25813302 | 4G1.5     | 8.3             | 149            | 13.3        |
| 25816202 | 5G1.5     | 9.4             | 180            | 13.3        |
| 25819602 | 7G1.5     | 10.7            | 230            | 13.3        |
| 25821402 | 8G1.5     | 11.9            | 244            | 13.3        |
| 25823702 | 10G1.5    | 13.4            | 313            | 13.3        |
| 25826102 | 12G1.5    | 13.5            | 354            | 13.3        |
| 25827402 | 14G1.5    | 13.7            | 383            | 13.3        |
| 25828602 | 16G1.5    | 14.3            | 424            | 13.3        |
| 25829802 | 18G1.5    | 15.8            | 523            | 13.3        |
| 25830102 | 19G1.5    | 16.3            | 508            | 13.3        |

| Code     | NxS (mm2) | Ø exterior (mm) | Weight (kg/km) | Rt (Ohm/Km) |
|----------|-----------|-----------------|----------------|-------------|
| 25831002 | 20G1.5    | 16.5            | 570            | 13.3        |
| 25832202 | 21G1.5    | 16.9            | 560            | 13.3        |
| 25833302 | 24G1.5    | 19.7            | 690            | 13.3        |
| 25834502 | 25G1.5    | 20.3            | 722            | 13.3        |
| 25835702 | 27G1.5    | 20.5            | 774            | 13.3        |
|          | 28G1.5    | 20.8            | 810            | 13.3        |
| 25836902 | 30G1.5    | 21.1            | 838            | 13.3        |
| 25839702 | 34G1.5    | 21.3            | 950            | 13.3        |
|          | 35G1.5    | 21.4            | 890            | 13.3        |
| 25839302 | 37G1.5    | 21.8            | 945            | 13.3        |
| 25840502 | 40G1.5    | 22.5            | 1060           | 13.3        |
| 25840802 | 41G1.5    | 22.5            | 1071           | 13.3        |
| 25842802 | 50G1.5    | 26.7            | 1303           | 13.3        |
| 25845102 | 61G1.5    | 29.1            | 1705           | 13.3        |
| 25847302 | 80G1.5    | 30              | 2010           | 13.3        |
|          | 100G1.5   | 33.3            | 2505           | 13.3        |
| 25808602 | 3G2.5     | 9.1             | 180            | 7.98        |
| 25813502 | 4G2.5     | 10.2            | 220            | 7.98        |
| 25816302 | 5G2.5     | 10.9            | 270            | 7.98        |
| 25819702 | 7G2.5     | 13.7            | 342            | 7.98        |
| 25823802 | 10G2.5    | 15.8            | 460            | 7.98        |
| 25826202 | 12G2.5    | 18.2            | 580            | 7.98        |
| 25829902 | 18G2.5    | 18.9            | 879            | 7.98        |
| 25808802 | 3G4       | 11.5            | 245            | 4.95        |
| 25813702 | 4G4       | 12.9            | 306            | 4.95        |
| 25816402 | 5G4       | 13.2            | 370            | 4.95        |
| 25819802 | 7G4       | 15.4            | 495            | 4.95        |
| 25808902 | 3G6       | 13.1            | 315            | 3.3         |
| 25813802 | 4G6       | 14.7            | 422            | 3.3         |
| 25816502 | 5G6       | 16.4            | 506            | 3.3         |
| 25819902 | 7G6       | 17.9            | 668            | 3.3         |
| 25809002 | 3G10      | 16.9            | 490            | 1.91        |
| 25813902 | 4G10      | 18.9            | 731            | 1.91        |
| 25816602 | 5G10      | 20.7            | 853            | 1.91        |
| 25820002 | 7G10      | 22.6            | 1291           | 1.91        |
| 25814002 | 4G16      | 20.8            | 993            | 1.21        |
| 25816702 | 5G16      | 22.9            | 1295           | 1.21        |
| 25814112 | 4G25      | 26.2            | 1570           | 0.78        |
| 25816802 | 5G25      | 29.4            | 1965           | 0.78        |
| 25814202 | 4G35      | 30.4            | 2070           | 0.554       |
| 25816902 | 5G35      | 33.8            | 2690           | 0.554       |
| 25814302 | 4G50      | 34.6            | 3015           | 0.386       |

**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)

**Constructive Data - YSLCY-OZ**

| Code     | NxS (mm2) | Ø exterior (mm) | Weight (kg/km) | Rt (Ohm/Km) |
|----------|-----------|-----------------|----------------|-------------|
| 25804702 | 2x0.5     | 5.7             | 45             | 39          |
| 25805202 | 2x0.75    | 6.2             | 57             | 26          |
| 25808102 | 3x0.75    | 6.5             | 66             | 26          |
| 25813002 | 4x0.75    | 7.1             | 89             | 26          |
| 25816002 | 5x0.75    | 7.8             | 126            | 26          |
| 25819402 | 7x0.75    | 8.6             | 156            | 26          |
| 25805402 | 2x1       | 6.7             | 76             | 19.5        |
| 25805502 | 2x1.5     | 7.3             | 93             | 13.3        |
| 25829802 | 18x1.5    | 16.3            | 516            | 13.3        |
| 25805702 | 2x2.5     | 8.3             | 141            | 7.98        |
| 25805802 | 2x4       | 9.8             | 190            | 4.95        |
| 25805902 | 2x6       | 11.5            | 268            | 3.3         |
| 25806002 | 2x10      | 14.9            | 426            | 1.91        |

**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)