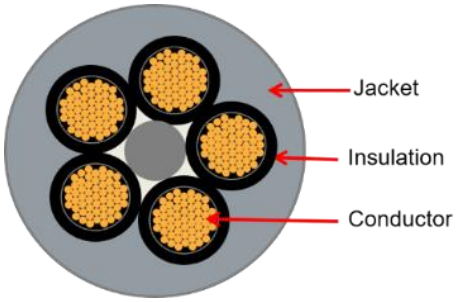
CB-60XX**X**
CB-61XX**X**

# YSLY-OZ FLEXIBLE CONTROL CABLE

## Scope of Application

YSLY-OZ flexible control cables are designed for power supply, control, and signal transmission in industrial electrical installations. They are suitable for connecting electrical components in control panels, industrial machinery, machine tools, automated production lines, conveyor systems, HVAC equipment, and measurement and control systems. The cables are suitable for fixed installation and occasional movement without tensile stress in dry, damp, and humid indoor environments, subject to the specified technical ratings and installation requirements.

## Drawing




## Technical Standard

- DIN VDE 0285-52-2-51
- DIN EN 5025-2-51
- DIN VDE 0295 class 5, IEC60228 class 5
- DIN VDE 0293-334
- VDE 0207-363-4-1, DIN EN 50363-4-1 (Compound type TM2)
- DIN 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
- RoHS Compliant

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## Cable Construction

| | | |
|---|---|---|
| **Conductor** | **Material** | Fine wire stranded bare copper acc. to DIN VDE 0295 class 5/ IEC60228 class 5 |
| **Insulation** | **Material** | PVC, black core with consecutive labeling in white digits acc. to DIN VDE 0293-334 |
| **Protective Conductor** | | **X**-without protective conductor |
| **Filler** | **Material** | Cotton rope (if required) |
| **Jacket Material** | **Material** | PVC (Oil resistance) acc. to VDE 0207-363-4-1/DIN EN50363-4-1 |
| | **Color** | Grey |

## Technical Specification

| Part Number | Conductor | | Insulation Diameter (mm) | Jacket Thickness (mm) | Cable Diameter (mm) | Conductor Resistance @ 20°C (Ω/km) |
|---|---|---|---|---|---|---|
| | No. of Core | Size ($mm^2$) | | | | |
| CB-6060X | 6 | 0.25 | 1.47±0.15 | 0.60±0.15 | 5.70±0.30 | 79.9 |
| CB-6061X | 6 | 0.34 | 1.58±0.15 | 0.60±0.15 | 6.05±0.30 | 57.5 |
| CB-6022X | 2 | 0.5 | 1.75±0.15 | 0.60±0.15 | 4.80±0.30 | 39.0 |
| CB-6032X | 3 | 0.5 | 1.75±0.15 | 0.60±0.15 | 5.10±0.30 | 39.0 |
| CB-6042X | 4 | 0.5 | 1.75±0.15 | 0.60±0.15 | 5.50±0.30 | 39.0 |
| CB-6052X | 5 | 0.5 | 1.75±0.15 | 0.60±0.15 | 6.20±0.30 | 39.0 |
| CB-6062X | 6 | 0.5 | 1.75±0.15 | 0.60±0.15 | 6.70±0.30 | 39.0 |
| CB-6072X | 7 | 0.5 | 1.75±0.15 | 0.60±0.15 | 6.70±0.30 | 39.0 |
| CB-6082X | 8 | 0.5 | 1.75±0.15 | 0.70±0.15 | 7.40±0.30 | 39.0 |
| CB-6102X | 10 | 0.5 | 1.75±0.15 | 0.80±0.20 | 8.60±0.30 | 39.0 |
| CB-6112X | 11 | 0.5 | 1.75±0.15 | 0.80±0.20 | 8.60±0.30 | 39.0 |
| CB-6122X | 12 | 0.5 | 1.75±0.15 | 0.80±0.20 | 89.20±0.30 | 39.0 |
| CB-6023X | 2 | 0.75 | 1.95±0.15 | 0.60±0.15 | 6.10±0.40 | 26.0 |
| CB-6033X | 3 | 0.75 | 1.95±0.15 | 0.60±0.15 | 5.60±0.30 | 26.0 |
| CB-6043X | 4 | 0.75 | 1.95±0.15 | 0.70±0.15 | 6.30±0.30 | 26.0 |
| CB-6053X | 5 | 0.75 | 1.95±0.15 | 0.70±0.15 | 6.90±0.30 | 26.0 |
| CB-6063X | 6 | 0.75 | 1.95±0.15 | 0.80±0.20 | 7.70±0.30 | 26.0 |
| CB-6073X | 7 | 0.75 | 1.95±0.15 | 0.80±0.20 | 7.70±0.30 | 26.0 |
| CB-6083X | 8 | 0.75 | 1.95±0.15 | 0.80±0.20 | 8.30±0.30 | 26.0 |
| CB-6103X | 10 | 0.75 | 1.95±0.15 | 0.90±0.20 | 9.80±0.30 | 26.0 |
| CB-6113X | 11 | 0.75 | 1.95±0.15 | 1.00±0.20 | 10.10±0.40 | 26.0 |
| CB-6123X | 11 | 0.75 | 1.95±0.15 | 1.00±0.20 | 10.30±0.40 | 26.0 |
| CB-6024X | 2 | 1.0 | 2.15±0.15 | 0.60±0.15 | 5.60±0.30 | 19.5 |
| CB-6034X | 3 | 1.0 | 2.15±0.15 | 0.60±0.15 | 6.10±0.30 | 19.5 |
| CB-6044X | 4 | 1.0 | 2.15±0.15 | 0.60±0.15 | 6.60±0.30 | 19.5 |
| CB-6054X | 5 | 1.0 | 2.15±0.15 | 0.80±0.20 | 7.50±0.30 | 19.5 |
| CB-6064X | 6 | 1.0 | 2.15±0.15 | 0.80±0.20 | 8.10±0.30 | 19.5 |
| CB-6074X | 7 | 1.0 | 2.15±0.15 | 0.80±0.20 | 8.10±0.30 | 19.5 |
| CB-6084X | 8 | 1.0 | 2.15±0.15 | 0.90±0.20 | 9.00±0.30 | 19.5 |
| CB-6104X | 10 | 1.0 | 2.15±0.15 | 0.90±0.20 | 10.60±0.30 | 19.5 |
| CB-6114X | 11 | 1.0 | 2.15±0.15 | 1.00±0.30 | 11.00±0.40 | 19.5 |
| CB-6124X | 12 | 1.0 | 2.15±0.15 | 1.00±0.30 | 11.20±0.40 | 19.5 |

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## Technical Specification

| Part Number | Conductor | | Insulation Diameter (mm) | Jacket Thickness (mm) | Cable Diameter (mm) | Conductor Resistance @ 20°C (Ω/km) |
|---|---|---|---|---|---|---|
| | No. of Core | Size ($mm^2$) | | | | |
| CB-6025X | 2 | 1.5 | 2.42±0.15 | 0.70±0.15 | 6.40±0.30 | 13.3 |
| CB-6035X | 3 | 1.5 | 2.42±0.15 | 0.70±0.15 | 6.80±0.30 | 13.3 |
| CB-6045X | 4 | 1.5 | 2.42±0.15 | 0.80±0.20 | 7.60±0.30 | 13.3 |
| CB-6055X | 5 | 1.5 | 2.42±0.15 | 0.80±0.20 | 8.30±0.30 | 13.3 |
| CB-6065X | 6 | 1.5 | 2.42±0.15 | 0.90±0.20 | 9.20±0.30 | 13.3 |
| CB-6075X | 7 | 1.5 | 2.42±0.15 | 0.90±0.20 | 9.20±0.30 | 13.3 |
| CB-6085X | 8 | 1.5 | 2.42±0.15 | 0.90±0.20 | 10.10±0.30 | 13.3 |
| CB-6105X | 10 | 1.5 | 2.42±0.15 | 1.00±0.20 | 12.00±0.30 | 13.3 |
| CB-6115X | 11 | 1.5 | 2.42±0.15 | 1.20±0.30 | 12.40±0.40 | 13.3 |
| CB-6125X | 12 | 1.5 | 2.42±0.15 | 1.20±0.30 | 12.60±0.40 | 13.3 |
| CB-6026X | 2 | 2.5 | 3.10±0.20 | 0.70±0.15 | 7.80±0.30 | 7.98 |
| CB-6036X | 3 | 2.5 | 3.10±0.20 | 0.70±0.15 | 8.30±0.30 | 7.98 |
| CB-6046X | 4 | 2.5 | 3.10±0.20 | 0.80±0.20 | 9.20±0.30 | 7.98 |
| CB-6056X | 5 | 2.5 | 3.10±0.20 | 0.80±0.20 | 10.10±0.30 | 7.98 |
| CB-6066X | 6 | 2.5 | 3.10±0.20 | 0.80±0.20 | 11.20±0.30 | 7.98 |
| CB-6076X | 7 | 2.5 | 3.10±0.20 | 0.80±0.20 | 11.20±0.30 | 7.98 |
| CB-6086X | 8 | 2.5 | 3.10±0.20 | 0.90±0.20 | 12.30±0.30 | 7.98 |
| CB-6106X | 10 | 2.5 | 3.10±0.20 | 1.00±0.20 | 14.80±0.30 | 7.98 |
| CB-6116X | 11 | 2.5 | 3.10±0.20 | 1.20±0.30 | 15.30±0.50 | 7.98 |
| CB-6126X | 12 | 2.5 | 3.10±0.20 | 1.20±0.30 | 15.50±0.50 | 7.98 |

## Electrical Characteristic

| | |
|---|---|
| **Voltage** | U0/U 300/500V |
| **Test voltage** | 4000V |
| **Breakdown Voltage** | 8000V |
| **Insulation Resistance** | 10 MΩ.km |

## Physical Properties

| | | |
|---|---|---|
| **Operating Temperature Range** | **Occasional flexing** | -15°C to 80°C |
| | **Fixed** | -40°C to 80°C |
| **Min. Bend Radius** | **Occasional flexing** | 7.5 x OD |
| | **Fixed** | 4 x OD |
| **Flame resistance** | | DIN 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2 |


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## ORDER INFORMATION

| Part number | Description | Color | Length | Package |
|---|---|---|---|---|
| CB-6060X | OZ 6X 0.25 mm$^2$ (24AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6061X | OZ 6X 0.34 mm$^2$ (22AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6022X | OZ 2X 0.5 mm$^2$ (20AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6032X | OZ 3X 0.5 mm$^2$ (20AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6042X | OZ 4X 0.5 mm$^2$ (20AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6052X | OZ 5X 0.5 mm$^2$ (20AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6062X | OZ 6X 0.5 mm$^2$ (20AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6072X | OZ 7X 0.5 mm$^2$ (20AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6082X | OZ 8X 0.5 mm$^2$ (20AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6102X | OZ 10X 0.5 mm$^2$ (20AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6112X | OZ 11X 0.5 mm$^2$ (20AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6122X | OZ 12X 0.5 mm$^2$ (20AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6023X | OZ 2X 0.75 mm$^2$ (19AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6033X | OZ 3X 0.75 mm$^2$ (19AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6043X | OZ 4X 0.75 mm$^2$ (19AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6053X | OZ 5X 0.75 mm$^2$ (19AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6063X | OZ 6X 0.75 mm$^2$ (19AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6073X | OZ 7X 0.75 mm$^2$ (19AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6083X | OZ 8X 0.75 mm$^2$ (19AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6103X | OZ 10X 0.75 mm$^2$ (19AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6113X | OZ 11X 0.75 mm$^2$ (19AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6123X | OZ 12X 0.75 mm$^2$ (19AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6024X | OZ 2X 1.0 mm$^2$ (18AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6034X | OZ 3X 1.0 mm$^2$ (18AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6044X | OZ 4X 1.0 mm$^2$ (18AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6054X | OZ 5X 1.0 mm$^2$ (18AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6064X | OZ 6X 1.0 mm$^2$ (18AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6074X | OZ 7X 1.0 mm$^2$ (18AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6084X | OZ 8X 1.0 mm$^2$ (18AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6104X | OZ 10X 1.0 mm$^2$ (18AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6114X | OZ 11X 1.0 mm$^2$ (18AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6124X | OZ 12X 1.0 mm$^2$ (18AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6025X | OZ 2X 1.5 mm$^2$ (16AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6035X | OZ 3X 1.5 mm$^2$ (16AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6045X | OZ 4X 1.5 mm$^2$ (16AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6055X | OZ 5X 1.5 mm$^2$ (16AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6065X | OZ 6X 1.5 mm$^2$ (16AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6075X | OZ 7X 1.5 mm$^2$ (16AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6085X | OZ 8X 1.5 mm$^2$ (16AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6105X | OZ 10X 1.5 mm$^2$ (16AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6115X | OZ 11X 1.5 mm$^2$ (16AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6125X | OZ 12X 1.5 mm$^2$ (16AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |


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## ORDER INFORMATION

| Part number | Description | Color | Length | Package |
|---|---|---|---|---|
| CB-6026X | OZ 2X 2.5 $mm^2$ (14AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6036X | OZ 3X 2.5 $mm^2$ (14AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6046X | OZ 4X 2.5 $mm^2$ (14AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6056X | OZ 5X 2.5 $mm^2$ (14AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6066X | OZ 6X 2.5 $mm^2$ (14AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6076X | OZ 7X 2.5 $mm^2$ (14AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6086X | OZ 8X 2.5 $mm^2$ (14AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6106X | OZ 10X 2.5 $mm^2$ (14AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6116X | OZ 11X 2.5 $mm^2$ (14AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |
| CB-6126X | OZ 12X 2.5 $mm^2$ (14AWG) FLEXIBLE CONTROL CABLE | Grey | 500 m | Roll |

Specifications subject to change without notice.
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