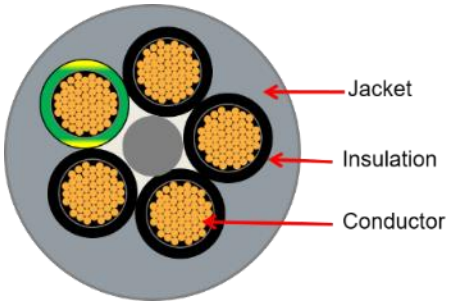
CB-60XX**G**
CB-61XX**G**

YSLY-JZ FLEXIBLE CONTROL CABLE

Scope of Application

YSLY-JZ 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		**G**-with protective conductor green with yellow stripe
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-6032G	3G	0.5	1.75±0.15	0.60±0.15	5.10±0.30	39.0
CB-6042G	4G	0.5	1.75±0.15	0.60±0.15	5.50±0.30	39.0
CB-6052G	5G	0.5	1.75±0.15	0.60±0.15	6.20±0.30	39.0
CB-6062G	6G	0.5	1.75±0.15	0.60±0.15	6.70±0.30	39.0
CB-6072G	7G	0.5	1.75±0.15	0.60±0.15	6.70±0.30	39.0
CB-6082G	8G	0.5	1.75±0.15	0.70±0.15	7.40±0.30	39.0
CB-6102G	10G	0.5	1.75±0.15	0.80±0.20	8.60±0.30	39.0
CB-6112G	11G	0.5	1.75±0.15	0.80±0.20	9.00±0.30	39.0
CB-6122G	12G	0.5	1.75±0.15	0.80±0.20	9.20±0.30	39.0
CB-6033G	3G	0.75	1.95±0.15	0.60±0.15	5.60±0.30	26.0
CB-6043G	4G	0.75	1.95±0.15	0.70±0.15	6.30±0.30	26.0
CB-6053G	5G	0.75	1.95±0.15	0.70±0.15	6.90±0.30	26.0
CB-6063G	6G	0.75	1.95±0.15	0.80±0.20	7.70±0.30	26.0
CB-6073G	7G	0.75	1.95±0.15	0.80±0.20	7.70±0.30	26.0
CB-6083G	8G	0.75	1.95±0.15	0.80±0.20	8.30±0.30	26.0
CB-6103G	10G	0.75	1.95±0.15	1.00±0.20	9.80±0.30	26.0
CB-6113G	11G	0.75	1.95±0.15	1.00±0.30	10.10±0.40	26.0
CB-6123G	12G	0.75	1.95±0.15	0.90±0.30	10.30±0.40	26.0
CB-6034G	3G	1.0	2.15±0.15	0.60±0.15	6.10±0.30	19.5
CB-6044G	4G	1.0	2.15±0.15	0.60±0.15	6.60±0.30	19.5
CB-6054G	5G	1.0	2.15±0.15	0.80±0.20	7.50±0.30	19.5
CB-6064G	6G	1.0	2.15±0.15	0.80±0.20	8.10±0.30	19.5
CB-6074G	7G	1.0	2.15±0.15	0.80±0.20	8.10±0.30	19.5
CB-6084G	8G	1.0	2.15±0.15	0.90±0.20	9.00±0.30	19.5
CB-6104G	10G	1.0	2.15±0.15	0.90±0.20	10.60±0.30	19.5
CB-6114G	11G	1.0	2.15±0.15	1.00±0.30	11.00±0.40	19.5
CB-6124G	12G	1.0	2.15±0.15	1.00±0.30	11.20±0.40	19.5
CB-6035G	3G	1.5	2.42±0.15	0.70±0.15	6.80±0.30	13.3
CB-6045G	4G	1.5	2.42±0.15	0.80±0.20	7.60±0.30	13.3
CB-6055G	5G	1.5	2.42±0.15	0.80±0.20	8.30±0.30	13.3
CB-6065G	6G	1.5	2.42±0.15	0.90±0.20	9.20±0.30	13.3
CB-6075G	7G	1.5	2.42±0.15	0.90±0.20	9.20±0.30	13.3

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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-6085G	8G	1.5	2.42±0.15	0.90±0.20	10.10±0.30	13.3
CB-6105G	10G	1.5	2.42±0.15	1.00±0.20	12.00±0.30	13.3
CB-6115G	11G	1.5	2.42±0.15	1.20±0.30	12.40±0.40	13.3
CB-6125G	12G	1.5	2.42±0.15	1.20±0.30	12.60±0.40	13.3
CB-6036G	3G	2.5	3.10±0.20	0.70±0.15	8.30±0.30	7.98
CB-6046G	4G	2.5	3.10±0.20	0.80±0.20	9.20±0.30	7.98
CB-6056G	5G	2.5	3.10±0.20	0.80±0.20	10.10±0.30	7.98
CB-6066G	6G	2.5	3.10±0.20	0.80±0.20	11.20±0.30	7.98
CB-6076G	7G	2.5	3.10±0.20	0.80±0.20	11.20±0.30	7.98
CB-6086G	8G	2.5	3.10±0.20	0.90±0.20	12.30±0.30	7.98
CB-6106G	10G	2.5	3.10±0.20	1.00±0.20	14.80±0.30	7.98
CB-6116G	11G	2.5	3.10±0.20	1.20±0.30	15.30±0.50	7.98
CB-6126G	12G	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-6032G	JZ 3G 0.5 mm² (20AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6042G	JZ 4G 0.5 mm² (20AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6052G	JZ 5G 0.5 mm² (20AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6062G	JZ 6G 0.5 mm² (20AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6072G	JZ 7G 0.5 mm² (20AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6082G	JZ 8G 0.5 mm² (20AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6102G	JZ 10G 0.5mm² (20AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6112G	JZ 11G 0.5mm² (20AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6122G	JZ 12G 0.5mm² (20AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6033G	JZ 3G 0.75 mm² (19AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6043G	JZ 4G 0.75 mm² (19AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6053G	JZ 5G 0.75 mm² (19AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6063G	JZ 6G 0.75 mm² (19AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6073G	JZ 7G 0.75 mm² (19AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6083G	JZ 8G 0.75 mm² (19AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6103G	JZ 10G 0.75 mm² (19AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6113G	JZ 11G 0.75 mm² (19AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6123G	JZ 12G 0.75 mm² (19AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6034G	JZ 3G 1.0 mm² (18AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6044G	JZ 4G 1.0 mm² (18AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6054G	JZ 5G 1.0 mm² (18AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6064G	JZ 6G 1.0 mm² (18AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6074G	JZ 7G 1.0 mm² (18AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6084G	JZ 8G 1.0 mm² (18AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6104G	JZ 10G 1.0 mm² (18AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6114G	JZ 11G 1.0 mm² (18AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6124G	JZ 12G 1.0 mm² (18AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6035G	JZ 3G 1.5 mm² (16AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6045G	JZ 4G 1.5 mm² (16AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6055G	JZ 5G 1.5 mm² (16AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6065G	JZ 6G 1.5 mm² (16AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6075G	JZ 7G 1.5 mm² (16AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6085G	JZ 8G 1.5 mm² (16AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6105G	JZ 10G 1.5 mm² (16AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6115G	JZ 11G 1.5 mm² (16AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6125G	JZ 12G 1.5 mm² (16AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6036G	JZ 3G 2.5 mm² (14AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6046G	JZ 4G 2.5 mm² (14AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6056G	JZ 5G 2.5 mm² (14AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6066G	JZ 6G 2.5 mm² (14AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6076G	JZ 7G 2.5 mm² (14AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6086G	JZ 8G 2.5 mm² (14AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6106G	JZ 10G 2.5 mm² (14AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6116G	JZ 11G 2.5 mm² (14AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll
CB-6126G	JZ 12G 2.5 mm² (14AWG) FLEXIBLE CONTROL CABLE	Grey	500 m	Roll

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