



CB-302X

CB-303X

CB-304X

CB-306X

CB-308X

CB-310X

CB-312X

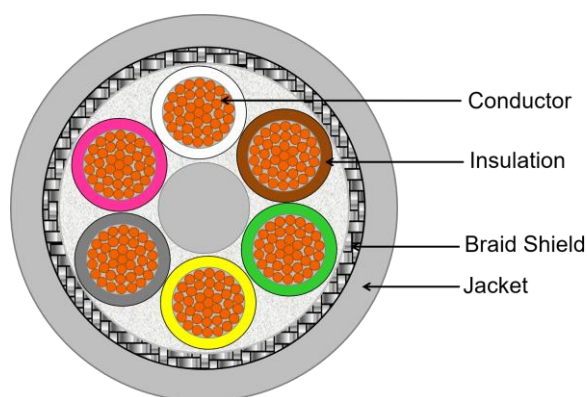
CB-316X

LiYCY CONTROL CABLE

Scope of Application

LiYCY CONTROL CABLE can be used as data transmission and control cables in electronics of computer systems, electronic control equipment, machine work, measuring instrument, assembly line, etc. Suitable for the place of high electrical interference.

Drawing



Technical Standard

- VDE 0812
- IEC 60332-1-2
- RoHS Compliant

Applications Support

- Remote control of automatic electrical equipment conditioning
- Industrial Machine Control
- Control Circuits, Security System, Process Control
- Building Automation System (BAS), Access Control
- RS-485, RS-232, SCADA and DCS
- Internal wiring or external interconnection of electronic equipment
- Instrumentation Control
- Surveillance



Cable Construction

Conductor	Material	Ultra-fine stranded bare copper
Insulation	Material	Special PVC
	Color	Acc. to DIN 47100
Filler	Material	Cotton rope
Tape		Mylar
Braid Shielded	Material	Tin Copper Braiding
	Coverage	≥ 85%
Jacket Material	Material	Special FR-PVC
	Color	Gray
	Flame Rating	IEC 60332-1-2

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-3020	2	0.25	1.30±0.15	0.70±0.15	4.30±0.30	79.9
CB-3021	2	0.34	1.45±0.15	0.70±0.15	4.70±0.30	57.5
CB-3022	2	0.5	1.75±0.15	0.70±0.15	5.20±0.30	39.0
CB-3023	2	0.75	1.95±0.15	0.70±0.20	5.80±0.40	26.0
CB-3024	2	1.0	2.10±0.20	0.80±0.20	6.10±0.40	19.5
CB-3025	2	1.5	2.35±0.20	0.90±0.20	6.90±0.40	13.3
CB-3030	3	0.25	1.30±0.15	0.70±0.15	4.50±0.30	79.9
CB-3031	3	0.34	1.45±0.15	0.70±0.15	4.90±0.30	57.5
CB-3032	3	0.5	1.75±0.15	0.80±0.15	5.70±0.30	38.9
CB-3033	3	0.75	1.95±0.15	0.80±0.20	6.10±0.40	26.0
CB-3034	3	1.0	2.10±0.20	0.75±0.20	6.40±0.40	19.5
CB-3035	3	1.5	2.35±0.20	0.90±0.20	7.30±0.40	13.3
CB-3040	4	0.25	1.30±0.15	0.65±0.15	4.80±0.30	79.9
CB-3041	4	0.34	1.45±0.15	0.80±0.15	5.50±0.30	57.5
CB-3042	4	0.5	1.75±0.15	0.70±0.20	6.10±0.40	39.0
CB-3043	4	0.75	1.95±0.15	0.80±0.20	6.80±0.40	26.0
CB-3044	4	1.0	2.10±0.20	0.85±0.20	7.20±0.40	19.5
CB-3045	4	1.5	2.35±0.20	0.90±0.20	7.90±0.40	13.3
CB-3060	6	0.25	1.30±0.15	0.75±0.15	5.80±0.30	79.9
CB-3061	6	0.34	1.45±0.15	0.85±0.20	6.40±0.40	57.5
CB-3062	6	0.5	1.75±0.15	0.80±0.20	7.40±0.40	39.0
CB-3063	6	0.75	1.95±0.15	0.80±0.20	8.00±0.40	26.0
CB-3064	6	1.0	2.10±0.20	0.85±0.20	8.40±0.40	19.5
CB-3065	6	1.5	2.35±0.20	0.90±0.20	9.30±0.40	13.3
CB-3080	8	0.25	1.30±0.15	0.75±0.15	6.20±0.40	79.9
CB-3081	8	0.34	1.45±0.15	0.95±0.20	7.10±0.40	57.5
CB-3082	8	0.5	1.75±0.15	0.80±0.20	7.90±0.40	39.0
CB-3083	8	0.75	1.95±0.15	0.80±0.20	8.50±0.40	26.0
CB-3084	8	1.0	2.10±0.20	0.90±0.20	9.10±0.40	19.5
CB-3085	8	1.5	2.35±0.20	1.20±0.25	10.60±0.50	13.3



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-3102	10	0.5	1.75±0.15	0.80±0.20	9.10±0.40	39.0
CB-3103	10	0.75	1.95±0.15	0.90±0.25	10.50±0.50	26.0
CB-3104	10	1.0	2.10±0.20	1.10±0.25	11.30±0.50	19.5
CB-3120	12	0.25	1.30±0.15	0.80±0.20	7.50±0.40	79.9
CB-3121	12	0.34	1.45±0.15	0.90±0.20	8.30±0.40	57.5
CB-3122	12	0.5	1.75±0.15	0.80±0.20	9.40±0.40	39.0
CB-3123	12	0.75	1.95±0.15	1.00±0.25	10.80±0.50	26.0
CB-3124	12	1.0	2.10±0.20	1.00±0.25	11.40±0.50	19.5
CB-3125	12	1.5	2.35±0.20	1.10±0.25	12.70±0.50	13.3
CB-3162	16	0.5	1.75±0.15	1.00±0.25	10.90±0.50	39.0
CB-3163	16	0.75	1.95±0.15	1.10±0.25	12.10±0.50	26.0
CB-3164	16	1.0	2.10±0.20	1.10±0.25	12.80±0.50	19.5

Insulation color code according to DIN 47100

No.	Color	No.	Color
1	White	9	Black
2	Brown	10	Violet
3	Green	11	Gray/Pink
4	Yellow	12	Red/Blue
5	Gray	13	White/Green
6	Pink	14	Brown/Green
7	Blue	15	White/Yellow
8	Red	16	Yellow/Brown

Electrical Characteristic

Peak Operation Voltage	500V
Insulation Resistance	≥ 10 MΩ
Test Voltage (AC)	1200 V/min No breakdown

Physical Properties

Operating Temperature Range	-40°C to 80°C
Storage Temperature Range	-5°C to 50°C
Min. Bend Radius (Install)	6 x OD
Oil Resistance (IRM902)	70°C/4h
Flame resistance	IEC 60332-1-2



ORDER INFORMATION

Part number	Description	Color	Length	Package
CB-3020	LiYCY 2 x 0.25 mm ² (24 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3021	LiYCY 2 x 0.34 mm ² (22 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3022	LiYCY 2 x 0.5 mm ² (20 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3023	LiYCY 2 x 0.75 mm ² (19 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3024	LiYCY 2 x 1.0 mm ² (18 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3025	LiYCY 2 x 1.5 mm ² (16 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3030	LiYCY 3 x 0.25 mm ² (24 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3031	LiYCY 3 x 0.34 mm ² (22 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3032	LiYCY 3 x 0.5 mm ² (20 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3033	LiYCY 3 x 0.75 mm ² (19 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3034	LiYCY 3 x 1.0 mm ² (18 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3035	LiYCY 3 x 1.5 mm ² (16 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3040	LiYCY 4 x 0.25 mm ² (24 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3041	LiYCY 4 x 0.34 mm ² (22 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3042	LiYCY 4 x 0.5 mm ² (20 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3043	LiYCY 4 x 0.75 mm ² (19 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3044	LiYCY 4 x 1.0 mm ² (18 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3045	LiYCY 4 x 1.5 mm ² (16 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3060	LiYCY 6 x 0.25 mm ² (24 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3061	LiYCY 6 x 0.34 mm ² (22 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3062	LiYCY 6 x 0.5 mm ² (20 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3063	LiYCY 6 x 0.75 mm ² (19 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3064	LiYCY 6 x 1.0 mm ² (18 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3065	LiYCY 6 x 1.5 mm ² (16 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3080	LiYCY 8 x 0.25 mm ² (24 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3081	LiYCY 8 x 0.34 mm ² (22 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3082	LiYCY 8 x 0.5 mm ² (20 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3083	LiYCY 8 x 0.75 mm ² (19 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3084	LiYCY 8 x 1.0 mm ² (18 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3085	LiYCY 8 x 1.5 mm ² (16 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3102	LiYCY 10 x 0.5 mm ² (20 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3103	LiYCY 10 x 0.75 mm ² (19 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3104	LiYCY 10 x 1.0 mm ² (18 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3120	LiYCY 12 x 0.25 mm ² (24 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3121	LiYCY 12 x 0.34 mm ² (22 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3122	LiYCY 12 x 0.5 mm ² (20 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3123	LiYCY 12 x 0.75 mm ² (19 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3124	LiYCY 12 x 1.0 mm ² (18 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3125	LiYCY 12 x 1.5 mm ² (16 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3162	LiYCY 16 x 0.5 mm ² (20 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3163	LiYCY 16 x 0.75 mm ² (19 AWG) CONTROL CABLE	Gray	500 m	Roll
CB-3164	LiYCY 16 x 1.0 mm ² (18 AWG) CONTROL CABLE	Gray	500 m	Roll

Specifications subject to change without notice.

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