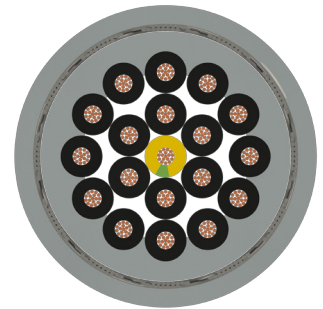
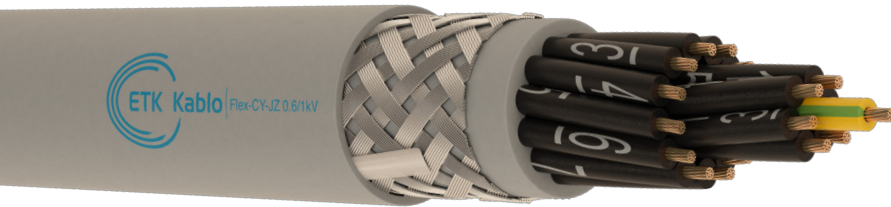


## Control Cables

# Flex-CY-JZ 0.6/1kV

RoHS REACH 



### Application

- Due to its flexible construction, could be used in narrow spaces.
- At instrumentation and control engineering.
- At industrial electronics.
- As a measurement and control cable in machinery.
- In production and assembly lines.
- Wet, dry and moist places.
- For applications with medium level mechanical stress.
- Fuel oil pumps.

### Cable Construction

- 1 - Conductor : Stranded electrolytic annealed copper conductor (Class 5) (IEC 60228, EN 60228, DIN VDE 0295)
- 2 - Insulation : PVC (DIN VDE 0207, EN 50363-3, TS EN 50290-2-21 T12), Black insulation, white number coded (DIN VDE 0293, TS EN 50334)
- 3 - Stranding : In layers
- 4 - Inner Jacket : UV resistant PVC inner jacket (EN 50363-4-1, DIN VDE 207 TM2). RAL 7001 (Grey)
- 5 - Screen : Tinned copper braiding
- 6 - Outer Jacket: UV resistant PVC outer jacket (EN 50363-4-1, DIN VDE 207 TM2). RAL 7001 (Grey) or Transparent

### Technical Characteristics

Cross Section	Conductor Resistance $\Omega/\text{km}$ (20 °C)	Insulation Resistance $\text{M}\Omega/\text{km}$	Current Carrying Capacity A	Test Voltage V (DC, 1 minute)	Operating Voltage V DC
0.50 mm <sup>2</sup>	39.0	20	9	4000	600/1000
0.75 mm <sup>2</sup>	26.0	20	12	4000	600/1000
1.00 mm <sup>2</sup>	19.5	20	15	4000	600/1000
1.5 mm <sup>2</sup>	13.3	20	18	4000	600/1000
2.5 mm <sup>2</sup>	7.98	20	26	4000	600/1000
4.0 mm <sup>2</sup>	4.95	20	34	4000	600/1000
6.0 mm <sup>2</sup>	3.30	20	44	4000	600/1000
10.0 mm <sup>2</sup>	1.91	20	61	4000	600/1000
16.0 mm <sup>2</sup>	1.21	20	82	4000	600/1000

### Mechanical Characteristics

Bending Radius	Temperature Range Operating
10xD mm	-30°C~+70°C

### Standards

#### Flame Retardancy Test

IEC 60332-1-2,  
EN 60332-1-2,  
VDE 0482-332-1-2

#### Notes

Electromagnetic compatibility (EMC)  
Color code could be JZ, OZ, JB, OB according to customer demand.  
For cables with two cores, Yellow/Green earthing wire is not included.  
Reference Standard: DIN EN 50525-2-51, VDE 0285-525-2-51

## Flex-CY-JZ 0.6/1kV

Part Number	Conductor Count	Conductor Cross-section (mm <sup>2</sup> )	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.607.2.2.2.0050.1.0002	2	0.5	8.2	21.8	101	100/500/1000
3.607.2.2.2.0050.2.0003	3	0.5	8.7	27.2	118	100/500/1000
3.607.2.2.2.0050.2.0004	4	0.5	9.5	32.9	137	100/500/1000
3.607.2.2.2.0050.2.0005	5	0.5	10.4	38.9	165	100/500/1000
3.607.2.2.2.0050.2.0006	6	0.5	11.3	44.6	193	100/500/1000
3.607.2.2.2.0050.2.0007	7	0.5	11.3	49.0	202	100/500/1000
3.607.2.2.2.0050.2.0008	8	0.5	12.2	55.8	223	100/500/1000
3.607.2.2.2.0050.2.0009	9	0.5	14.3	67.8	272	100/500/1000
3.607.2.2.2.0050.2.0010	10	0.5	14.3	72.2	275	100/500/1000
3.607.2.2.2.0050.2.0012	12	0.5	14.7	83.5	303	100/500/1000
3.607.2.2.2.0050.2.0014	14	0.5	15.4	93.0	336	100/500/1000
3.607.2.2.2.0050.2.0016	16	0.5	16.2	102.7	373	100/500/1000
3.607.2.2.2.0050.2.0018	18	0.5	17.2	115.2	419	100/500/1000
3.607.2.2.2.0050.2.0020	20	0.5	18.0	125.2	451	100/500/1000
3.607.2.2.2.0050.2.0024	24	0.5	20.0	148.3	525	100/500/1000
3.607.2.2.2.0050.2.0025	25	0.5	20.0	152.7	551	100/500/1000
3.607.2.2.2.0050.2.0027	27	0.5	20.5	166.5	572	100/500/1000
Part Number	Conductor Count	Conductor Cross-section (mm <sup>2</sup> )	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.607.2.2.2.0075.1.0002	2	0.75	8.7	27.2	116	100/500/1000
3.607.2.2.2.0075.2.0003	3	0.75	9.3	34.6	136	100/500/1000
3.607.2.2.2.0075.2.0004	4	0.75	10.2	42.5	161	100/500/1000
3.607.2.2.2.0075.2.0005	5	0.75	11.0	51.1	191	100/500/1000
3.607.2.2.2.0075.2.0006	6	0.75	12.0	59.0	223	100/500/1000
3.607.2.2.2.0075.2.0007	7	0.75	12.0	65.6	236	100/500/1000
3.607.2.2.2.0075.2.0008	8	0.75	13.0	74.0	259	100/500/1000
3.607.2.2.2.0075.2.0009	9	0.75	15.2	90.6	316	100/500/1000
3.607.2.2.2.0075.2.0010	10	0.75	15.2	97.2	321	100/500/1000
3.607.2.2.2.0075.2.0012	12	0.75	15.6	110.8	353	100/500/1000
3.607.2.2.2.0075.2.0014	14	0.75	16.4	124.7	393	100/500/1000
3.607.2.2.2.0075.2.0016	16	0.75	17.4	141.8	445	100/500/1000
3.607.2.2.2.0075.2.0018	18	0.75	18.3	156.1	491	100/500/1000
3.607.2.2.2.0075.2.0020	20	0.75	19.2	170.6	530	100/500/1000
3.607.2.2.2.0075.2.0024	24	0.75	21.3	207.4	622	100/500/1000
3.607.2.2.2.0075.2.0025	25	0.75	21.3	214.0	653	100/500/1000
3.607.2.2.2.0075.2.0027	27	0.75	21.9	228.2	680	100/500/1000
Part Number	Conductor Count	Conductor Cross-section (mm <sup>2</sup> )	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.607.2.2.2.0100.1.0002	2	1	9.2	31.3	130	100/500/1000
3.607.2.2.2.0100.2.0003	3	1	9.8	40.7	153	100/500/1000
3.607.2.2.2.0100.2.0004	4	1	10.6	50.1	179	100/500/1000
3.607.2.2.2.0100.2.0005	5	1	11.7	60.5	216	100/500/1000
3.607.2.2.2.0100.2.0006	6	1	12.7	70.5	253	100/500/1000
3.607.2.2.2.0100.2.0007	7	1	12.7	78.7	268	100/500/1000
3.607.2.2.2.0100.2.0008	8	1	13.7	89.2	295	100/500/1000

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3.607.2.2.2.0100.2.0009	9	1	16.1	106.3	357	100/500/1000
3.607.2.2.2.0100.2.0010	10	1	16.1	114.5	363	100/500/1000
3.607.2.2.2.0100.2.0012	12	1	16.6	134.0	403	100/500/1000
3.607.2.2.2.0100.2.0014	14	1	17.5	151.8	453	100/500/1000
3.607.2.2.2.0100.2.0016	16	1	18.4	169.5	506	100/500/1000
3.607.2.2.2.0100.2.0018	18	1	19.5	187.5	564	100/500/1000
3.607.2.2.2.0100.2.0020	20	1	20.6	212.6	621	100/500/1000
3.607.2.2.2.0100.2.0024	24	1	22.8	249.5	720	100/500/1000
3.607.2.2.2.0100.2.0025	25	1	22.8	257.7	757	100/500/1000
3.607.2.2.2.0100.2.0027	27	1	23.2	274.9	775	100/500/1000

Part Number	Conductor Count	Conductor Cross-section (mm <sup>2</sup> )	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.607.2.2.2.0150.1.0002	2	1.5	9.8	41.7	152	100/500/1000
3.607.2.2.2.0150.2.0003	3	1.5	10.5	55.5	181	100/500/1000
3.607.2.2.2.0150.2.0004	4	1.5	11.4	69.6	216	100/500/1000
3.607.2.2.2.0150.2.0005	5	1.5	12.6	85.1	260	100/500/1000
3.607.2.2.2.0150.2.0006	6	1.5	13.5	100.0	299	100/500/1000
3.607.2.2.2.0150.2.0007	7	1.5	13.5	112.8	318	100/500/1000
3.607.2.2.2.0150.2.0008	8	1.5	14.7	133.3	360	100/500/1000
3.607.2.2.2.0150.2.0009	9	1.5	17.3	151.7	432	100/500/1000
3.607.2.2.2.0150.2.0010	10	1.5	17.3	164.5	442	100/500/1000
3.607.2.2.2.0150.2.0012	12	1.5	17.8	190.8	491	100/500/1000
3.607.2.2.2.0150.2.0014	14	1.5	18.7	217.6	548	100/500/1000
3.607.2.2.2.0150.2.0016	16	1.5	19.8	247.5	621	100/500/1000
3.607.2.2.2.0150.2.0018	18	1.5	20.9	279.2	692	100/500/1000
3.607.2.2.2.0150.2.0020	20	1.5	22.1	307.1	760	100/500/1000
3.607.2.2.2.0150.2.0024	24	1.5	24.6	362.7	889	100/500/1000
3.607.2.2.2.0150.2.0025	25	1.5	24.6	375.5	934	100/500/1000
3.607.2.2.2.0150.2.0027	27	1.5	25.1	402.0	961	100/500/1000

Part Number	Conductor Count	Conductor Cross-section (mm <sup>2</sup> )	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.607.2.2.2.0250.1.0002	2	2.5	10.9	60.1	193	100/500/1000
3.607.2.2.2.0250.2.0003	3	2.5	11.6	83.4	235	100/500/1000
3.607.2.2.2.0250.2.0004	4	2.5	12.7	106.5	282	100/500/1000
3.607.2.2.2.0250.2.0005	5	2.5	14.0	130.3	341	100/500/1000
3.607.2.2.2.0250.2.0006	6	2.5	15.2	159.4	402	100/500/1000
3.607.2.2.2.0250.2.0007	7	2.5	15.2	180.8	429	100/500/1000
3.607.2.2.2.0250.2.0008	8	2.5	16.4	203.4	474	100/500/1000
3.607.2.2.2.0250.2.0009	9	2.5	19.2	231.2	560	100/500/1000
3.607.2.2.2.0250.2.0010	10	2.5	19.2	252.5	576	100/500/1000
3.607.2.2.2.0250.2.0012	12	2.5	20.0	299.0	659	100/500/1000
3.607.2.2.2.0250.2.0014	14	2.5	21.0	347.7	743	100/500/1000
3.607.2.2.2.0250.2.0016	16	2.5	22.2	392.7	839	100/500/1000
3.607.2.2.2.0250.2.0018	18	2.5	23.4	437.4	931	100/500/1000
3.607.2.2.2.0250.2.0020	20	2.5	24.9	482.7	1030	100/500/1000
3.607.2.2.2.0250.2.0024	24	2.5	27.6	579.4	1204	100/500/1000
3.607.2.2.2.0250.2.0025	25	2.5	27.6	600.7	1266	100/500/1000
3.607.2.2.2.0250.2.0027	27	2.5	28.1	644.6	1306	100/500/1000

## Flex-CY-JZ 0.6/1kV

Part Number	Conductor Count	Conductor Cross-section (mm <sup>2</sup> )	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.607.2.2.2.0400.1.0002	2	4	13.0	89.7	278	100/500/1000
3.607.2.2.2.0400.2.0003	3	4	14.0	126.0	343	100/500/1000
3.607.2.2.2.0400.2.0004	4	4	15.2	168.0	415	100/500/1000
3.607.2.2.2.0400.2.0005	5	4	16.6	206.2	499	100/500/1000
3.607.2.2.2.0400.2.0006	6	4	18.3	242.6	591	100/500/1000
3.607.2.2.2.0400.2.0007	7	4	18.3	276.7	633	100/500/1000
3.607.2.2.2.0400.2.0008	8	4	19.9	315.9	708	100/500/1000
3.607.2.2.2.0400.2.0009	9	4	23.4	360.6	840	100/500/1000
3.607.2.2.2.0400.2.0010	10	4	23.4	399.7	870	100/500/1000
3.607.2.2.2.0400.2.0012	12	4	24.3	464.8	987	100/500/1000
3.607.2.2.2.0400.2.0014	14	4	25.6	539.8	1114	100/500/1000
3.607.2.2.2.0400.2.0016	16	4	27.2	618.6	1260	100/500/1000
Part Number	Conductor Count	Conductor Cross-section (mm <sup>2</sup> )	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.607.2.2.2.0600.1.0002	2	6	14.3	129.3	348	100/500/1000
3.607.2.2.2.0600.2.0003	3	6	15.2	185.0	432	100/500/1000
3.607.2.2.2.0600.2.0004	4	6	16.5	237.7	518	100/500/1000
3.607.2.2.2.0600.2.0005	5	6	18.3	293.8	634	100/500/1000
3.607.2.2.2.0600.2.0006	6	6	20.0	350.3	750	100/500/1000
3.607.2.2.2.0600.2.0007	7	6	20.0	401.5	807	100/500/1000
3.607.2.2.2.0600.2.0008	8	6	21.9	460.2	912	100/500/1000
3.607.2.2.2.0600.2.0009	9	6	25.7	518.4	1071	100/500/1000
3.607.2.2.2.0600.2.0010	10	6	25.7	569.6	1108	100/500/1000
3.607.2.2.2.0600.2.0012	12	6	26.8	679.9	1282	100/500/1000
3.607.2.2.2.0600.2.0014	14	6	28.1	795.3	1448	100/500/1000
3.607.2.2.2.0600.2.0016	16	6	29.7	977.7	1657	100/500/1000
Part Number	Conductor Count	Conductor Cross-section (mm <sup>2</sup> )	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.607.2.2.2.1000.1.0002	2	10	17.7	214.3	545	100/500/1000
3.607.2.2.2.1000.2.0003	3	10	18.8	304.4	679	100/500/1000
3.607.2.2.2.1000.2.0004	4	10	20.8	398.8	834	100/500/1000
3.607.2.2.2.1000.2.0005	5	10	23.0	495.5	1023	100/500/1000
3.607.2.2.2.1000.2.0006	6	10	25.2	588.2	1212	100/500/1000
3.607.2.2.2.1000.2.0007	7	10	25.2	676.8	1310	100/500/1000
3.607.2.2.2.1000.2.0008	8	10	27.5	769.7	1470	100/500/1000
3.607.2.2.2.1000.2.0009	9	10	32.4	875.2	1721	100/500/1000
3.607.2.2.2.1000.2.0010	10	10	32.4	963.8	1790	100/500/1000
Part Number	Conductor Count	Conductor Cross-section (mm <sup>2</sup> )	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.607.2.2.2.1600.1.0002	2	16	21.1	321.1	785	100/500/1000
3.607.2.2.2.1600.2.0003	3	16	22.7	470.7	1007	100/500/1000
3.607.2.2.2.1600.2.0004	4	16	25.0	614.5	1235	100/500/1000
3.607.2.2.2.1600.2.0005	5	16	27.6	758.9	1509	100/500/1000
3.607.2.2.2.1600.2.0006	6	16	30.1	910.2	1781	100/500/1000
3.607.2.2.2.1600.2.0007	7	16	30.1	1.049.7	1931	100/500/1000
3.607.2.2.2.1600.2.0008	8	16	33.0	1.195.4	2175	100/500/1000
3.607.2.2.2.1600.2.0009	9	16	38.5	1.347.9	2463	100/500/1000
3.607.2.2.2.1600.2.0010	10	16	38.5	1.487.5	2596	100/500/1000