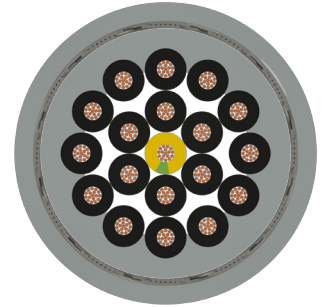
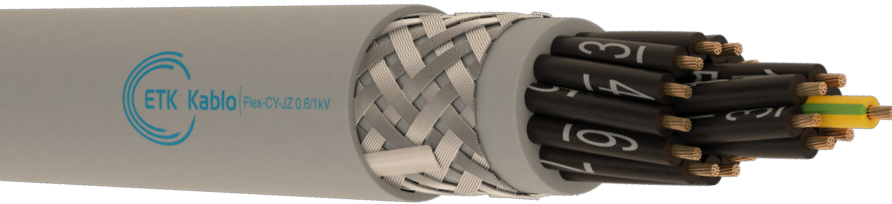


Control Cables

Flex-CH-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.
- In places where human life, valuable materials and equipments need to be protected.
- Fuel oil pumps.

Cable Construction

- 1 - Conductor : Stranded electrolytic annealed copper conductor (Class 5) (IEC 60228, EN 60228, DIN VDE 0295)
- 2 - Insulation : Halogen-free (DIN VDE 0207, EN 50363-3, TS EN 50290-2-26 T12), Black insulation, white number coded (DIN VDE 0293, TS EN 50334)
- 3 - Stranding : In layers
- 4 - Inner Jacket: UV resistant halogen-free inner jacket (TS EN 50290-2-27). RAL 7001 (Grey)
- 5 - Screen : Tinned copper braiding
- 6 - Outer Jacket: UV resistant halogen-free outer jacket (TS EN 50290-2-27). RAL 7001 (Grey)

Technical Characteristics

Cross Section	Conductor Resistance Ω/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 ²	39.0	20	9	4000	600/1000
0.75 mm ²	26.0	20	12	4000	600/1000
1.00 mm ²	19.5	20	15	4000	600/1000
1.5 mm ²	13.3	20	18	4000	600/1000
2.5 mm ²	7.98	20	26	4000	600/1000
4.0 mm ²	4.95	20	34	4000	600/1000
6.0 mm ²	3.30	20	44	4000	600/1000
10.0 mm ²	1.91	20	61	4000	600/1000
16.0 mm ²	1.21	20	82	4000	600/1000

Mechanical Characteristics

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

Standards

Smoke Density Test	Corrosive Gas Test	Halogen-free Test	Flame Retardancy Test
IEC 61034-2, VDE 0482-1034-2, EN 61034-2	IEC 60754-2, VDE 0482-267-2-3, EN 50267-2-3	IEC 60754-1, VDE 0482-267-2-1, EN 50267-2-1	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

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Part Number	Conductor Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.607.2.3.3.0050.1.0002	2	0.5	8.2	21.8	96	100/500/1000
3.607.2.3.3.0050.2.0003	3	0.5	8.7	27.3	112	100/500/1000
3.607.2.3.3.0050.2.0004	4	0.5	9.5	33.0	130	100/500/1000
3.607.2.3.3.0050.2.0005	5	0.5	10.4	39.0	155	100/500/1000
3.607.2.3.3.0050.2.0006	6	0.5	11.3	44.7	181	100/500/1000
3.607.2.3.3.0050.2.0007	7	0.5	11.3	49.1	190	100/500/1000
3.607.2.3.3.0050.2.0008	8	0.5	12.2	55.9	209	100/500/1000
3.607.2.3.3.0050.2.0009	9	0.5	14.3	67.9	255	100/500/1000
3.607.2.3.3.0050.2.0010	10	0.5	14.3	72.2	259	100/500/1000
3.607.2.3.3.0050.2.0012	12	0.5	14.7	83.5	284	100/500/1000
3.607.2.3.3.0050.2.0014	14	0.5	15.4	93.1	314	100/500/1000
3.607.2.3.3.0050.2.0016	16	0.5	16.2	102.7	349	100/500/1000
3.607.2.3.3.0050.2.0018	18	0.5	17.2	115.3	390	100/500/1000
3.607.2.3.3.0050.2.0020	20	0.5	18.0	125.3	420	100/500/1000
3.607.2.3.3.0050.2.0024	24	0.5	20.0	148.3	490	100/500/1000
3.607.2.3.3.0050.2.0025	25	0.5	20.0	152.7	512	100/500/1000
3.607.2.3.3.0050.2.0027	27	0.5	20.5	166.5	533	100/500/1000
Part Number	Conductor Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.607.2.3.3.0075.1.0002	2	0.75	8.7	27.2	111	100/500/1000
3.607.2.3.3.0075.2.0003	3	0.75	9.3	34.6	129	100/500/1000
3.607.2.3.3.0075.2.0004	4	0.75	10.2	42.6	153	100/500/1000
3.607.2.3.3.0075.2.0005	5	0.75	11.0	51.1	180	100/500/1000
3.607.2.3.3.0075.2.0006	6	0.75	12.0	59.1	210	100/500/1000
3.607.2.3.3.0075.2.0007	7	0.75	12.0	65.7	221	100/500/1000
3.607.2.3.3.0075.2.0008	8	0.75	13.0	74.1	244	100/500/1000
3.607.2.3.3.0075.2.0009	9	0.75	15.2	90.7	298	100/500/1000
3.607.2.3.3.0075.2.0010	10	0.75	15.2	97.2	303	100/500/1000
3.607.2.3.3.0075.2.0012	12	0.75	15.6	110.9	332	100/500/1000
3.607.2.3.3.0075.2.0014	14	0.75	16.4	124.8	369	100/500/1000
3.607.2.3.3.0075.2.0016	16	0.75	17.4	141.8	417	100/500/1000
3.607.2.3.3.0075.2.0018	18	0.75	18.3	156.2	460	100/500/1000
3.607.2.3.3.0075.2.0020	20	0.75	19.2	170.7	496	100/500/1000
3.607.2.3.3.0075.2.0024	24	0.75	21.3	207.5	583	100/500/1000
3.607.2.3.3.0075.2.0025	25	0.75	21.3	214.0	610	100/500/1000
3.607.2.3.3.0075.2.0027	27	0.75	21.9	228.3	636	100/500/1000
Part Number	Conductor Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.607.2.3.3.0100.1.0002	2	1	9.2	31.3	124	100/500/1000
3.607.2.3.3.0100.2.0003	3	1	9.8	40.7	146	100/500/1000
3.607.2.3.3.0100.2.0004	4	1	10.6	50.1	170	100/500/1000
3.607.2.3.3.0100.2.0005	5	1	11.7	60.5	204	100/500/1000
3.607.2.3.3.0100.2.0006	6	1	12.7	70.6	238	100/500/1000
3.607.2.3.3.0100.2.0007	7	1	12.7	78.8	252	100/500/1000
3.607.2.3.3.0100.2.0008	8	1	13.7	89.3	278	100/500/1000

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3.607.2.3.3.0100.2.0009	9	1	16.1	106.4	336	100/500/1000
3.607.2.3.3.0100.2.0010	10	1	16.1	114.6	342	100/500/1000
3.607.2.3.3.0100.2.0012	12	1	16.6	134.1	379	100/500/1000
3.607.2.3.3.0100.2.0014	14	1	17.5	151.8	426	100/500/1000
3.607.2.3.3.0100.2.0016	16	1	18.4	169.5	474	100/500/1000
3.607.2.3.3.0100.2.0018	18	1	19.5	187.6	528	100/500/1000
3.607.2.3.3.0100.2.0020	20	1	20.6	212.7	582	100/500/1000
3.607.2.3.3.0100.2.0024	24	1	22.8	249.5	676	100/500/1000
3.607.2.3.3.0100.2.0025	25	1	22.8	257.7	707	100/500/1000
3.607.2.3.3.0100.2.0027	27	1	23.2	275.0	726	100/500/1000

Part Number	Conductor Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.607.2.3.3.0150.1.0002	2	1.5	9.8	41.7	145	100/500/1000
3.607.2.3.3.0150.2.0003	3	1.5	10.5	55.5	173	100/500/1000
3.607.2.3.3.0150.2.0004	4	1.5	11.4	69.6	206	100/500/1000
3.607.2.3.3.0150.2.0005	5	1.5	12.6	85.1	247	100/500/1000
3.607.2.3.3.0150.2.0006	6	1.5	13.5	100.1	283	100/500/1000
3.607.2.3.3.0150.2.0007	7	1.5	13.5	112.9	300	100/500/1000
3.607.2.3.3.0150.2.0008	8	1.5	14.7	133.4	341	100/500/1000
3.607.2.3.3.0150.2.0009	9	1.5	17.3	151.8	409	100/500/1000
3.607.2.3.3.0150.2.0010	10	1.5	17.3	164.5	419	100/500/1000
3.607.2.3.3.0150.2.0012	12	1.5	17.8	190.9	464	100/500/1000
3.607.2.3.3.0150.2.0014	14	1.5	18.7	217.7	518	100/500/1000
3.607.2.3.3.0150.2.0016	16	1.5	19.8	247.6	586	100/500/1000
3.607.2.3.3.0150.2.0018	18	1.5	20.9	279.3	652	100/500/1000
3.607.2.3.3.0150.2.0020	20	1.5	22.1	307.2	717	100/500/1000
3.607.2.3.3.0150.2.0024	24	1.5	24.6	362.8	839	100/500/1000
3.607.2.3.3.0150.2.0025	25	1.5	24.6	375.6	879	100/500/1000
3.607.2.3.3.0150.2.0027	27	1.5	25.1	402.1	906	100/500/1000

Part Number	Conductor Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.607.2.3.3.0250.1.0002	2	2.5	10.9	60.1	186	100/500/1000
3.607.2.3.3.0250.2.0003	3	2.5	11.6	83.4	225	100/500/1000
3.607.2.3.3.0250.2.0004	4	2.5	12.7	106.6	270	100/500/1000
3.607.2.3.3.0250.2.0005	5	2.5	14.0	130.3	324	100/500/1000
3.607.2.3.3.0250.2.0006	6	2.5	15.2	159.4	382	100/500/1000
3.607.2.3.3.0250.2.0007	7	2.5	15.2	180.8	408	100/500/1000
3.607.2.3.3.0250.2.0008	8	2.5	16.4	203.4	451	100/500/1000
3.607.2.3.3.0250.2.0009	9	2.5	19.2	231.2	532	100/500/1000
3.607.2.3.3.0250.2.0010	10	2.5	19.2	252.6	549	100/500/1000
3.607.2.3.3.0250.2.0012	12	2.5	20.0	299.1	627	100/500/1000
3.607.2.3.3.0250.2.0014	14	2.5	21.0	347.8	707	100/500/1000
3.607.2.3.3.0250.2.0016	16	2.5	22.2	392.7	797	100/500/1000
3.607.2.3.3.0250.2.0018	18	2.5	23.4	437.4	883	100/500/1000
3.607.2.3.3.0250.2.0020	20	2.5	24.9	482.8	977	100/500/1000
3.607.2.3.3.0250.2.0024	24	2.5	27.6	579.4	1144	100/500/1000
3.607.2.3.3.0250.2.0025	25	2.5	27.6	600.7	1199	100/500/1000
3.607.2.3.3.0250.2.0027	27	2.5	28.1	644.6	1240	100/500/1000

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Part Number	Conductor Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.607.2.3.3.0400.1.0002	2	4	13.0	89.7	266	100/500/1000
3.607.2.3.3.0400.2.0003	3	4	14.0	126.1	328	100/500/1000
3.607.2.3.3.0400.2.0004	4	4	15.2	168.1	397	100/500/1000
3.607.2.3.3.0400.2.0005	5	4	16.6	206.3	474	100/500/1000
3.607.2.3.3.0400.2.0006	6	4	18.3	242.7	560	100/500/1000
3.607.2.3.3.0400.2.0007	7	4	18.3	276.8	601	100/500/1000
3.607.2.3.3.0400.2.0008	8	4	19.9	316.0	673	100/500/1000
3.607.2.3.3.0400.2.0009	9	4	23.4	360.7	798	100/500/1000
3.607.2.3.3.0400.2.0010	10	4	23.4	399.7	829	100/500/1000
3.607.2.3.3.0400.2.0012	12	4	24.3	464.8	939	100/500/1000
3.607.2.3.3.0400.2.0014	14	4	25.6	539.8	1059	100/500/1000
3.607.2.3.3.0400.2.0016	16	4	27.2	618.6	1199	100/500/1000
Part Number	Conductor Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.607.2.3.3.0600.1.0002	2	6	14.3	129.3	335	100/500/1000
3.607.2.3.3.0600.2.0003	3	6	15.2	185.1	415	100/500/1000
3.607.2.3.3.0600.2.0004	4	6	16.5	237.7	497	100/500/1000
3.607.2.3.3.0600.2.0005	5	6	18.3	293.8	607	100/500/1000
3.607.2.3.3.0600.2.0006	6	6	20.0	350.3	715	100/500/1000
3.607.2.3.3.0600.2.0007	7	6	20.0	401.5	770	100/500/1000
3.607.2.3.3.0600.2.0008	8	6	21.9	460.3	871	100/500/1000
3.607.2.3.3.0600.2.0009	9	6	25.7	518.5	1022	100/500/1000
3.607.2.3.3.0600.2.0010	10	6	25.7	569.7	1062	100/500/1000
3.607.2.3.3.0600.2.0012	12	6	26.8	680.0	1227	100/500/1000
3.607.2.3.3.0600.2.0014	14	6	28.1	795.3	1386	100/500/1000
3.607.2.3.3.0600.2.0016	16	6	29.7	977.7	1588	100/500/1000
Part Number	Conductor Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.607.2.3.3.1000.1.0002	2	10	17.7	214.3	524	100/500/1000
3.607.2.3.3.1000.2.0003	3	10	18.2	303.5	652	100/500/1000
3.607.2.3.3.1000.2.0004	4	10	20.0	397.4	800	100/500/1000
3.607.2.3.3.1000.2.0005	5	10	22.0	494.0	978	100/500/1000
3.607.2.3.3.1000.2.0006	6	10	24.2	586.5	1156	100/500/1000
3.607.2.3.3.1000.2.0007	7	10	24.2	675.1	1250	100/500/1000
3.607.2.3.3.1000.2.0008	8	10	26.4	767.8	1405	100/500/1000
3.607.2.3.3.1000.2.0009	9	10	31.2	872.5	1643	100/500/1000
3.607.2.3.3.1000.2.0010	10	10	31.2	961.1	1715	100/500/1000
Part Number	Conductor Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.607.2.3.3.1600.1.0002	2	16	21.1	321.1	755	100/500/1000
3.607.2.3.3.1600.2.0003	3	16	20.7	467.2	967	100/500/1000
3.607.2.3.3.1600.2.0004	4	16	22.8	610.4	1185	100/500/1000
3.607.2.3.3.1600.2.0005	5	16	25.1	754.3	1443	100/500/1000
3.607.2.3.3.1600.2.0006	6	16	30.1	910.2	1698	100/500/1000
3.607.2.3.3.1600.2.0007	7	16	30.1	1.049.7	1845	100/500/1000
3.607.2.3.3.1600.2.0008	8	16	33.0	1.195.4	2081	100/500/1000
3.607.2.3.3.1600.2.0009	9	16	38.5	1.347.9	2356	100/500/1000
3.607.2.3.3.1600.2.0010	10	16	38.5	1.487.5	2488	100/500/1000