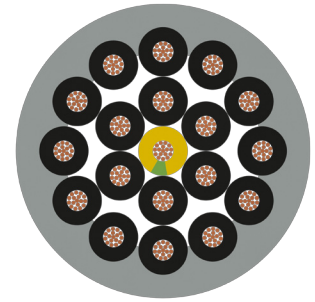


Control Cables

Flex-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 low 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 : 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 - Outer Jacket: UV resistant PVC outer jacket (EN 50363-4-1, DIN VDE 207 TM2). 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

Flame Retardancy Test

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

Notes

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-JZ 0.6/1kV

Part Number	Conductor Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.606.2.2.2.0050.1.0002	2	0.5	6.7	8.8	57	100/500/1000
3.606.2.2.2.0050.2.0003	3	0.5	7.1	13.2	70	100/500/1000
3.606.2.2.2.0050.2.0004	4	0.5	7.9	17.6	85	100/500/1000
3.606.2.2.2.0050.2.0005	5	0.5	8.6	22.0	102	100/500/1000
3.606.2.2.2.0050.2.0006	6	0.5	9.4	26.4	120	100/500/1000
3.606.2.2.2.0050.2.0007	7	0.5	9.4	30.8	128	100/500/1000
3.606.2.2.2.0050.2.0008	8	0.5	10.3	35.2	148	100/500/1000
3.606.2.2.2.0050.2.0009	9	0.5	12.2	39.6	175	100/500/1000
3.606.2.2.2.0050.2.0010	10	0.5	12.2	44.0	182	100/500/1000
3.606.2.2.2.0050.2.0012	12	0.5	12.6	52.8	206	100/500/1000
3.606.2.2.2.0050.2.0014	14	0.5	13.4	61.6	235	100/500/1000
3.606.2.2.2.0050.2.0016	16	0.5	14.1	70.4	261	100/500/1000
3.606.2.2.2.0050.2.0018	18	0.5	14.9	79.2	294	100/500/1000
3.606.2.2.2.0050.2.0020	20	0.5	15.9	88.0	334	100/500/1000
3.606.2.2.2.0050.2.0024	24	0.5	17.9	105.6	394	100/500/1000
3.606.2.2.2.0050.2.0025	25	0.5	17.9	110.0	411	100/500/1000
3.606.2.2.2.0050.2.0027	27	0.5	18.3	118.8	429	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)
3.606.2.2.2.0075.1.0002	2	0.75	7.1	13.2	66	100/500/1000
3.606.2.2.2.0075.2.0003	3	0.75	7.6	19.8	82	100/500/1000
3.606.2.2.2.0075.2.0004	4	0.75	8.4	26.4	101	100/500/1000
3.606.2.2.2.0075.2.0005	5	0.75	9.2	33.0	123	100/500/1000
3.606.2.2.2.0075.2.0006	6	0.75	10.1	39.6	145	100/500/1000
3.606.2.2.2.0075.2.0007	7	0.75	10.1	46.2	155	100/500/1000
3.606.2.2.2.0075.2.0008	8	0.75	11.0	52.8	177	100/500/1000
3.606.2.2.2.0075.2.0009	9	0.75	13.0	59.4	208	100/500/1000
3.606.2.2.2.0075.2.0010	10	0.75	12.8	66.0	211	100/500/1000
3.606.2.2.2.0075.2.0012	12	0.75	13.6	79.2	250	100/500/1000
3.606.2.2.2.0075.2.0014	14	0.75	14.3	92.4	282	100/500/1000
3.606.2.2.2.0075.2.0016	16	0.75	15.1	105.6	318	100/500/1000
3.606.2.2.2.0075.2.0018	18	0.75	16.0	118.8	359	100/500/1000
3.606.2.2.2.0075.2.0020	20	0.75	17.1	132.0	411	100/500/1000
3.606.2.2.2.0075.2.0024	24	0.75	19.3	158.5	483	100/500/1000
3.606.2.2.2.0075.2.0025	25	0.75	19.3	165.1	505	100/500/1000
3.606.2.2.2.0075.2.0027	27	0.75	19.8	178.3	527	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)
3.606.2.2.2.0100.1.0002	2	1	7.5	16.5	74	100/500/1000
3.606.2.2.2.0100.2.0003	3	1	8.1	24.8	95	100/500/1000
3.606.2.2.2.0100.2.0004	4	1	8.8	33.0	115	100/500/1000
3.606.2.2.2.0100.2.0005	5	1	9.8	41.3	140	100/500/1000
3.606.2.2.2.0100.2.0006	6	1	10.7	49.5	166	100/500/1000
3.606.2.2.2.0100.2.0007	7	1	10.7	57.8	177	100/500/1000
3.606.2.2.2.0100.2.0008	8	1	11.7	66.0	207	100/500/1000
3.606.2.2.2.0100.2.0009	9	1	13.9	74.3	241	100/500/1000

Flex-JZ 0.6/1kV

3.606.2.2.2.0100.2.0010	10	1	13.9	82.5	252	100/500/1000
3.606.2.2.2.0100.2.0012	12	1	14.5	99.0	291	100/500/1000
3.606.2.2.2.0100.2.0014	14	1	15.2	115.5	328	100/500/1000
3.606.2.2.2.0100.2.0016	16	1	16.2	132.0	370	100/500/1000
3.606.2.2.2.0100.2.0018	18	1	17.2	148.5	422	100/500/1000
3.606.2.2.2.0100.2.0020	20	1	18.4	165.1	482	100/500/1000
3.606.2.2.2.0100.2.0024	24	1	20.7	198.1	566	100/500/1000
3.606.2.2.2.0100.2.0025	25	1	20.7	206.3	593	100/500/1000
3.606.2.2.2.0100.2.0027	27	1	21.2	222.8	618	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)
3.606.2.2.2.0150.1.0002	2	1.5	8.1	25.7	91	100/500/1000
3.606.2.2.2.0150.2.0003	3	1.5	8.7	38.6	115	100/500/1000
3.606.2.2.2.0150.2.0004	4	1.5	9.5	51.4	143	100/500/1000
3.606.2.2.2.0150.2.0005	5	1.5	10.6	64.3	175	100/500/1000
3.606.2.2.2.0150.2.0006	6	1.5	11.6	77.2	213	100/500/1000
3.606.2.2.2.0150.2.0007	7	1.5	11.6	90.0	223	100/500/1000
3.606.2.2.2.0150.2.0008	8	1.5	12.7	102.9	259	100/500/1000
3.606.2.2.2.0150.2.0009	9	1.5	15.0	115.7	301	100/500/1000
3.606.2.2.2.0150.2.0010	10	1.5	15.0	128.6	316	100/500/1000
3.606.2.2.2.0150.2.0012	12	1.5	15.7	154.3	366	100/500/1000
3.606.2.2.2.0150.2.0014	14	1.5	16.4	180.0	414	100/500/1000
3.606.2.2.2.0150.2.0016	16	1.5	17.6	205.7	472	100/500/1000
3.606.2.2.2.0150.2.0018	18	1.5	18.7	231.5	537	100/500/1000
3.606.2.2.2.0150.2.0020	20	1.5	19.9	257.2	611	100/500/1000
3.606.2.2.2.0150.2.0024	24	1.5	22.4	308.6	717	100/500/1000
3.606.2.2.2.0150.2.0025	25	1.5	22.4	321.5	751	100/500/1000
3.606.2.2.2.0150.2.0027	27	1.5	23.1	347.2	797	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)
3.606.2.2.2.0250.1.0002	2	2.5	9.1	42.9	122	100/500/1000
3.606.2.2.2.0250.2.0003	3	2.5	9.7	64.3	156	100/500/1000
3.606.2.2.2.0250.2.0004	4	2.5	10.7	85.7	195	100/500/1000
3.606.2.2.2.0250.2.0005	5	2.5	11.9	107.2	242	100/500/1000
3.606.2.2.2.0250.2.0006	6	2.5	13.0	128.6	287	100/500/1000
3.606.2.2.2.0250.2.0007	7	2.5	13.0	150.0	307	100/500/1000
3.606.2.2.2.0250.2.0008	8	2.5	14.3	171.5	360	100/500/1000
3.606.2.2.2.0250.2.0009	9	2.5	17.1	192.9	423	100/500/1000
3.606.2.2.2.0250.2.0010	10	2.5	17.1	214.3	444	100/500/1000
3.606.2.2.2.0250.2.0012	12	2.5	17.7	257.2	511	100/500/1000
3.606.2.2.2.0250.2.0014	14	2.5	18.8	300.0	589	100/500/1000
3.606.2.2.2.0250.2.0016	16	2.5	20.1	342.9	670	100/500/1000
3.606.2.2.2.0250.2.0018	18	2.5	20.2	383.9	698	100/500/1000
3.606.2.2.2.0250.2.0020	20	2.5	22.9	428.6	873	100/500/1000
3.606.2.2.2.0250.2.0024	24	2.5	25.7	514.4	1022	100/500/1000
3.606.2.2.2.0250.2.0025	25	2.5	25.7	535.8	1075	100/500/1000
3.606.2.2.2.0250.2.0027	27	2.5	26.5	578.7	1135	100/500/1000

Flex-JZ 0.6/1kV

Part Number	Conductor Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.606.2.2.2.0400.1.0002	2	4	11.1	68.6	182	100/500/1000
3.606.2.2.2.0400.2.0003	3	4	11.9	102.9	236	100/500/1000
3.606.2.2.2.0400.2.0004	4	4	13.1	137.2	295	100/500/1000
3.606.2.2.2.0400.2.0005	5	4	14.6	171.5	372	100/500/1000
3.606.2.2.2.0400.2.0006	6	4	16.0	205.7	437	100/500/1000
3.606.2.2.2.0400.2.0007	7	4	16.0	240.0	472	100/500/1000
3.606.2.2.2.0400.2.0008	8	4	17.6	274.3	554	100/500/1000
3.606.2.2.2.0400.2.0009	9	4	21.3	308.6	658	100/500/1000
3.606.2.2.2.0400.2.0010	10	4	16.7	342.9	693	100/500/1000
3.606.2.2.2.0400.2.0012	12	4	22.3	411.5	809	100/500/1000
3.606.2.2.2.0400.2.0014	14	4	23.6	480.1	930	100/500/1000
3.606.2.2.2.0400.2.0016	16	4	25.3	548.7	1067	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)
3.606.2.2.2.0600.1.0002	2	6	12.2	102.9	233	100/500/1000
3.606.2.2.2.0600.2.0003	3	6	13.0	154.3	306	100/500/1000
3.606.2.2.2.0600.2.0004	4	6	14.5	205.7	389	100/500/1000
3.606.2.2.2.0600.2.0005	5	6	16.0	257.2	485	100/500/1000
3.606.2.2.2.0600.2.0006	6	6	17.9	308.6	588	100/500/1000
3.606.2.2.2.0600.2.0007	7	6	17.9	360.1	634	100/500/1000
3.606.2.2.2.0600.2.0008	8	6	19.7	411.5	746	100/500/1000
3.606.2.2.2.0600.2.0009	9	6	23.9	462.9	889	100/500/1000
3.606.2.2.2.0600.2.0010	10	6	23.9	514.4	934	100/500/1000
3.606.2.2.2.0600.2.0012	12	6	24.7	617.2	1078	100/500/1000
3.606.2.2.2.0600.2.0014	14	6	26.4	720.1	1253	100/500/1000
3.606.2.2.2.0600.2.0016	16	6	28.0	823.0	1419	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)
3.606.2.2.2.1000.1.0002	2	10	15.5	178.0	381	100/500/1000
3.606.2.2.2.1000.2.0003	3	10	16.8	267.0	513	100/500/1000
3.606.2.2.2.1000.2.0004	4	10	18.6	356.0	650	100/500/1000
3.606.2.2.2.1000.2.0005	5	10	20.9	445.0	826	100/500/1000
3.606.2.2.2.1000.2.0006	6	10	23.2	534.0	991	100/500/1000
3.606.2.2.2.1000.2.0007	7	10	23.2	623.0	1074	100/500/1000
3.606.2.2.2.1000.2.0008	8	10	25.7	712.0	1269	100/500/1000
3.606.2.2.2.1000.2.0009	9	10	30.5	801.0	1463	100/500/1000
3.606.2.2.2.1000.2.0010	10	10	30.5	890.0	1546	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)
3.606.2.2.2.1600.1.0002	2	16	19.1	280.4	584	100/500/1000
3.606.2.2.2.1600.2.0003	3	16	20.6	420.6	785	100/500/1000
3.606.2.2.2.1600.2.0004	4	16	23.0	560.9	1005	100/500/1000
3.606.2.2.2.1600.2.0005	5	16	25.7	701.1	1271	100/500/1000
3.606.2.2.2.1600.2.0006	6	16	28.5	841.3	1530	100/500/1000
3.606.2.2.2.1600.2.0007	7	16	28.5	981.5	1647	100/500/1000
3.606.2.2.2.1600.2.0008	8	16	31.0	1.121.7	1919	100/500/1000
3.606.2.2.2.1600.2.0009	9	16	36.5	1.261.9	2164	100/500/1000
3.606.2.2.2.1600.2.0010	10	16	36.5	1.402.1	2282	100/500/1000