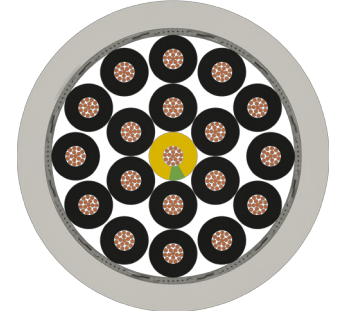


Control Cables

2YSLCY-JZ

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.

Cable Construction

- 1 - Conductor : Stranded electrolytic annealed copper conductor (Class 5) (IEC 60228, EN 60228, DIN VDE 0295)
- 2 - Insulation : Polyethylene (DIN VDE 0207-2 2Y12), Black insulation, white number coded (DIN VDE 0293, TS HD 308 S2)
- 3 - Stranding : In layers
- 4 - Wrapping : Polyester tape
- 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 RAL 9004 (Black)

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	2000	300/500
0.75 mm ²	26.0	20	12	2000	300/500
1.00 mm ²	19.5	20	15	2000	300/500
1.5 mm ²	13.3	20	18	2000	300/500
2.5 mm ²	7.98	20	26	2000	300/500
4.0 mm ²	4.95	20	34	2000	300/500
6.0 mm ²	3.30	20	44	2000	300/500
10.0 mm ²	1.91	20	61	2000	300/500
16.0 mm ²	1.21	20	82	2000	300/500

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

2YSLCY-JZ

Part Number	Conductor Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.602.31.2.0050.1.0002	2	0.5	5.3	18.1	45	100/500/1000
3.602.31.2.0050.0.0003	3	0.5	5.6	22.5	52	100/500/1000
3.602.31.2.0050.0.0004	4	0.5	6.0	28.2	61	100/500/1000
3.602.31.2.0050.0.0005	5	0.5	6.5	33.1	70	100/500/1000
3.602.31.2.0050.0.0006	6	0.5	7.2	41.7	85	100/500/1000
3.602.31.2.0050.0.0007	7	0.5	7.2	46.1	89	100/500/1000
3.602.31.2.0050.0.0008	8	0.5	7.7	51.5	101	100/500/1000
3.602.31.2.0050.0.0009	9	0.5	9.0	56.0	117	100/500/1000
3.602.31.2.0050.0.0010	10	0.5	9.0	60.4	121	100/500/1000
3.602.31.2.0050.0.0012	12	0.5	9.3	69.8	134	100/500/1000
3.602.31.2.0050.0.0014	14	0.5	9.7	79.3	149	100/500/1000
3.602.31.2.0050.0.0016	16	0.5	10.3	89.1	167	100/500/1000
3.602.31.2.0050.0.0018	18	0.5	10.9	103.6	189	100/500/1000
3.602.31.2.0050.0.0020	20	0.5	11.5	113.6	209	100/500/1000
3.602.31.2.0050.0.0024	24	0.5	12.8	135.0	242	100/500/1000
3.602.31.2.0050.0.0025	25	0.5	12.8	139.4	253	100/500/1000
3.602.31.2.0050.0.0027	27	0.5	13.0	148.6	262	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)
3.602.31.2.0075.1.0002	2	0.75	5.7	22.8	52	100/500/1000
3.602.31.2.0075.0.0003	3	0.75	6.0	30.4	63	100/500/1000
3.602.31.2.0075.0.0004	4	0.75	6.5	37.3	74	100/500/1000
3.602.31.2.0075.0.0005	5	0.75	7.2	48.3	91	100/500/1000
3.602.31.2.0075.0.0006	6	0.75	7.9	55.5	106	100/500/1000
3.602.31.2.0075.0.0007	7	0.75	7.9	62.1	112	100/500/1000
3.602.31.2.0075.0.0008	8	0.75	8.4	68.9	126	100/500/1000
3.602.31.2.0075.0.0009	9	0.75	9.8	76.7	145	100/500/1000
3.602.31.2.0075.0.0010	10	0.75	9.8	83.3	150	100/500/1000
3.602.31.2.0075.0.0012	12	0.75	10.2	97.1	171	100/500/1000
3.602.31.2.0075.0.0014	14	0.75	10.8	115.8	196	100/500/1000
3.602.31.2.0075.0.0016	16	0.75	11.4	130.2	219	100/500/1000
3.602.31.2.0075.0.0018	18	0.75	12.0	144.8	243	100/500/1000
3.602.31.2.0075.0.0020	20	0.75	12.7	159.8	269	100/500/1000
3.602.31.2.0075.0.0024	24	0.75	14.0	186.4	309	100/500/1000
3.602.31.2.0075.0.0025	25	0.75	14.1	195.9	326	100/500/1000
3.602.31.2.0075.0.0027	27	0.75	14.5	211.5	344	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)
3.602.31.2.0100.1.0002	2	1	6.1	27.1	60	100/500/1000
3.602.31.2.0100.0.0003	3	1	6.5	35.6	72	100/500/1000
3.602.31.2.0100.0.0004	4	1	7.1	48.4	91	100/500/1000
3.602.31.2.0100.0.0005	5	1	7.7	57.0	106	100/500/1000
3.602.31.2.0100.0.0006	6	1	8.4	65.5	123	100/500/1000
3.602.31.2.0100.0.0007	7	1	8.4	73.7	129	100/500/1000
3.602.31.2.0100.0.0008	8	1	9.2	82.1	149	100/500/1000
3.602.31.2.0100.0.0009	9	1	10.8	97.9	177	100/500/1000
3.602.31.2.0100.0.0010	10	1	10.8	106.2	184	100/500/1000
3.602.31.2.0100.0.0012	12	1	11.2	123.5	210	100/500/1000

2YSLCY-JZ

3.602.3.1.2.0100.0.0014	14	1	11.7	141.4	234	100/500/1000
3.602.3.1.2.0100.0.0016	16	1	12.5	159.6	263	100/500/1000
3.602.3.1.2.0100.0.0018	18	1	13.1	178.4	293	100/500/1000
3.602.3.1.2.0100.0.0020	20	1	13.9	195.7	324	100/500/1000
3.602.3.1.2.0100.0.0024	24	1	15.3	227.9	370	100/500/1000
3.602.3.1.2.0100.0.0025	25	1	15.4	241.0	392	100/500/1000
3.602.3.1.2.0100.0.0027	27	1	15.8	257.9	412	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)
3.602.3.1.2.0150.1.0002	2	1.5	6.7	36.6	74	100/500/1000
3.602.3.1.2.0150.0.0003	3	1.5	7.3	53.9	97	100/500/1000
3.602.3.1.2.0150.0.0004	4	1.5	7.8	66.8	115	100/500/1000
3.602.3.1.2.0150.0.0005	5	1.5	8.6	80.4	138	100/500/1000
3.602.3.1.2.0150.0.0006	6	1.5	9.4	93.6	161	100/500/1000
3.602.3.1.2.0150.0.0007	7	1.5	9.4	106.4	172	100/500/1000
3.602.3.1.2.0150.0.0008	8	1.5	10.2	120.7	197	100/500/1000
3.602.3.1.2.0150.0.0009	9	1.5	12.1	141.4	234	100/500/1000
3.602.3.1.2.0150.0.0010	10	1.5	12.1	154.4	245	100/500/1000
3.602.3.1.2.0150.0.0012	12	1.5	12.5	181.6	279	100/500/1000
3.602.3.1.2.0150.0.0014	14	1.5	13.2	207.9	316	100/500/1000
3.602.3.1.2.0150.0.0016	16	1.5	14.0	235.9	356	100/500/1000
3.602.3.1.2.0150.0.0018	18	1.5	14.7	264.4	397	100/500/1000
3.602.3.1.2.0150.0.0020	20	1.5	15.6	291.4	440	100/500/1000
3.602.3.1.2.0150.0.0024	24	1.5	17.4	344.2	517	100/500/1000
3.602.3.1.2.0150.0.0025	25	1.5	17.5	361.6	545	100/500/1000
3.602.3.1.2.0150.0.0027	27	1.5	17.8	387.8	569	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)
3.602.3.1.2.0250.1.0002	2	2.5	8.1	57.0	110	100/500/1000
3.602.3.1.2.0250.0.0003	3	2.5	8.6	80.5	139	100/500/1000
3.602.3.1.2.0250.0.0004	4	2.5	9.4	102.3	169	100/500/1000
3.602.3.1.2.0250.0.0005	5	2.5	10.5	125.9	207	100/500/1000
3.602.3.1.2.0250.0.0006	6	2.5	11.5	153.2	248	100/500/1000
3.602.3.1.2.0250.0.0007	7	2.5	11.5	174.6	265	100/500/1000
3.602.3.1.2.0250.0.0008	8	2.5	12.5	197.8	308	100/500/1000
3.602.3.1.2.0250.0.0009	9	2.5	14.8	224.5	357	100/500/1000
3.602.3.1.2.0250.0.0010	10	2.5	14.8	246.0	374	100/500/1000
3.602.3.1.2.0250.0.0012	12	2.5	15.3	291.7	429	100/500/1000
3.602.3.1.2.0250.0.0014	14	2.5	16.1	335.6	488	100/500/1000
3.602.3.1.2.0250.0.0016	16	2.5	17.2	383.4	556	100/500/1000
3.602.3.1.2.0250.0.0018	18	2.5	18.3	431.1	632	100/500/1000
3.602.3.1.2.0250.0.0020	20	2.5	19.5	475.8	705	100/500/1000
3.602.3.1.2.0250.0.0024	24	2.5	21.7	565.2	821	100/500/1000
3.602.3.1.2.0250.0.0025	25	2.5	21.9	591.4	875	100/500/1000
3.602.3.1.2.0250.0.0027	27	2.5	22.4	642.5	922	100/500/1000

2YSLCY-JZ

Part Number	Conductor Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.602.3.1.2.0400.1.0002	2	4	9.2	85.2	156	100/500/1000
3.602.3.1.2.0400.0.0003	3	4	9.8	120.8	191	100/500/1000
3.602.3.1.2.0400.0.0004	4	4	10.8	160.7	241	100/500/1000
3.602.3.1.2.0400.0.0005	5	4	11.9	197.4	294	100/500/1000
3.602.3.1.2.0400.0.0006	6	4	13.1	235.6	349	100/500/1000
3.602.3.1.2.0400.0.0007	7	4	13.1	269.9	377	100/500/1000
3.602.3.1.2.0400.0.0008	8	4	14.3	308.7	439	100/500/1000
3.602.3.1.2.0400.0.0009	9	4	17.1	354.9	520	100/500/1000
3.602.3.1.2.0400.0.0010	10	4	17.1	389.2	548	100/500/1000
3.602.3.1.2.0400.0.0012	12	4	17.7	462.4	631	100/500/1000
3.602.3.1.2.0400.0.0014	14	4	18.8	532.6	723	100/500/1000
3.602.3.1.2.0400.0.0016	16	4	20.0	603.1	817	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)
3.602.3.1.2.0600.1.0002	2	6	11.0	126.6	223	100/500/1000
3.602.3.1.2.0600.0.0003	3	6	11.8	179.2	277	100/500/1000
3.602.3.1.2.0600.0.0004	4	6	12.9	233.7	345	100/500/1000
3.602.3.1.2.0600.0.0005	5	6	14.3	288.3	423	100/500/1000
3.602.3.1.2.0600.0.0006	6	6	15.8	343.7	506	100/500/1000
3.602.3.1.2.0600.0.0007	7	6	15.8	395.2	547	100/500/1000
3.602.3.1.2.0600.0.0008	8	6	17.3	452.3	642	100/500/1000
3.602.3.1.2.0600.0.0009	9	6	20.9	518.9	765	100/500/1000
3.602.3.1.2.0600.0.0010	10	6	20.9	570.3	806	100/500/1000
3.602.3.1.2.0600.0.0012	12	6	21.8	679.8	942	100/500/1000
3.602.3.1.2.0600.0.0014	14	6	23.1	785.1	1077	100/500/1000
3.602.3.1.2.0600.0.0016	16	6	24.6	891.8	1257	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)
3.602.3.1.2.1000.1.0002	2	10	13.2	206.4	337	100/500/1000
3.602.3.1.2.1000.0.0003	3	10	14.1	298.1	428	100/500/1000
3.602.3.1.2.1000.0.0004	4	10	15.6	390.9	541	100/500/1000
3.602.3.1.2.1000.0.0005	5	10	17.4	485.8	671	100/500/1000
3.602.3.1.2.1000.0.0006	6	10	19.4	581.0	812	100/500/1000
3.602.3.1.2.1000.0.0007	7	10	19.4	670.0	884	100/500/1000
3.602.3.1.2.1000.0.0008	8	10	21.2	761.9	1021	100/500/1000
3.602.3.1.2.1000.0.0009	9	10	25.7	859.1	1205	100/500/1000
3.602.3.1.2.1000.0.0010	10	10	25.7	948.1	1284	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)
3.602.3.1.2.1600.1.0002	2	16	17.5	321.3	565	100/500/1000
3.602.3.1.2.1600.0.0003	3	16	18.8	467.7	706	100/500/1000
3.602.3.1.2.1600.0.0004	4	16	21.1	617.0	903	100/500/1000
3.602.3.1.2.1600.0.0005	5	16	23.6	767.3	1128	100/500/1000
3.602.3.1.2.1600.0.0006	6	16	26.1	900.2	1324	100/500/1000
3.602.3.1.2.1600.0.0007	7	16	26.1	1.040.4	1456	100/500/1000
3.602.3.1.2.1600.0.0008	8	16	27.5	1.185.8	1599	100/500/1000
3.602.3.1.2.1600.0.0009	9	16	33.7	1.337.6	1907	100/500/1000
3.602.3.1.2.1600.0.0010	10	16	33.7	1.477.8	2046	100/500/1000