

Electronic Control Cables Instrumentation Cables RE-Y(S^t)Y-TP

RoHS REACH 



Application

- At instrumentation control and data processes, analog and digital signal transmission.
- In chemical and petrochemical industry.
- Powerplants.
- Outdoor and indoor places, dry, moist and wet places.
- Gas stations, water transportation systems.

Cable Construction

- 1 - Conductor : Stranded electrolytic copper conductor (Class 2) (IEC 60228, EN 60228, DIN VDE 0295)
- 2 - Insulation : PVC (BS EN 50290-2, VDE 0207 Y11), Black, White; Number coded (BS 5308-2)
- 3 - Stranding : Pairs are stranded in layers.
- 4 - Wrapping : Polyester tape
- 5 - Screen : Tinned copper earthing wire, Al/PET tape
- 6 - Outer Jacket : UV resistant PVC outer jacket. RAL 9005 (Black)

Technical Characteristics

Cross Section	Conductor Resistance Ω/km (20 °C)	Insulation Resistance MΩ/km (20 °C)	Mutual Capacitance pF/m	Inductance/ Resistance Ratio nH/Ω	Current Carrying Capacity A	Operating Voltage V DC	Test Voltage V (DC. 1 minute) Pair-Pair	Test Voltage V (DC. 1 minute) Pair-Screen
0.50 mm ²	36	100	170	25	6	300/500	2000	2000
0.75 mm ²	24.5	100	170	25	13	300/500	2000	2000
1.00 mm ²	18.1	100	170	25	16	300/500	2000	2000
1.30 mm ²	13.9	100	170	40	18	300/500	2000	2000
1.5 mm ²	12.1	100	170	40	20	300/500	2000	2000
2.5 mm ²	7.41	100	170	60	25	300/500	2000	2000

Mechanical Characteristics

Bending Radius	Temperature Range Operating
7.5xD mm	-30°C~+70°C

Notes

Electromagnetic compatibility (EMC)

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Part Number	Pair Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.562.1.2.2.0050.0.0001	1	0.5	5.6	14	45	100/500/1000
3.562.1.2.2.0050.0.0002	2	0.5	8.2	24	60	100/500/1000
3.562.1.2.2.0050.0.0004	4	0.5	9.4	43	100	100/500/1000
3.562.1.2.2.0050.0.0008	8	0.5	12.3	81	186	100/500/1000
3.562.1.2.2.0050.0.0010	10	0.5	14	100	231	100/500/1000
3.562.1.2.2.0050.0.0012	12	0.5	14.3	118	263	100/500/1000
3.562.1.2.2.0050.0.0016	16	0.5	16.4	156	344	100/500/1000
3.562.1.2.2.0050.0.0020	20	0.5	18.3	194	414	100/500/1000
3.562.1.2.2.0050.0.0024	24	0.5	19.9	232	492	100/500/1000
Part Number	Pair Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.562.1.2.2.0075.0.0001	1	0.75	6.0	19	50	100/500/1000
3.562.1.2.2.0075.0.0002	2	0.75	9.0	34	80	100/500/1000
3.562.1.2.2.0075.0.0004	4	0.75	10.0	63	120	100/500/1000
3.562.1.2.2.0075.0.0008	8	0.75	13.6	120	240	100/500/1000
3.562.1.2.2.0075.0.0010	10	0.75	15.3	149	290	100/500/1000
3.562.1.2.2.0075.0.0012	12	0.75	15.8	178	330	100/500/1000
3.562.1.2.2.0075.0.0016	16	0.75	18	235	440	100/500/1000
3.562.1.2.2.0075.0.0020	20	0.75	20.2	293	540	100/500/1000
3.562.1.2.2.0075.0.0024	24	0.75	22	350	635	100/500/1000
Part Number	Pair Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.562.1.2.2.0100.0.0001	1	1	6.4	24	58	100/500/1000
3.562.1.2.2.0100.0.0002	2	1	9.2	44	100	100/500/1000
3.562.1.2.2.0100.0.0004	4	1	11	83	160	100/500/1000
3.562.1.2.2.0100.0.0008	8	1	14.7	160	295	100/500/1000
3.562.1.2.2.0100.0.0010	10	1	16.8	199	350	100/500/1000
3.562.1.2.2.0100.0.0012	12	1	17	238	420	100/500/1000
3.562.1.2.2.0100.0.0016	16	1	19.9	316	560	100/500/1000
3.562.1.2.2.0100.0.0020	20	1	22	393	680	100/500/1000
Part Number	Pair Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.562.1.2.2.0130.0.0001	1	1.3	6.8	30	64	100/500/1000
3.562.1.2.2.0130.0.0002	2	1.3	10	55	115	100/500/1000
3.562.1.2.2.0130.0.0004	4	1.3	11.8	106	195	100/500/1000
3.562.1.2.2.0130.0.0008	8	1.3	15.8	207	350	100/500/1000
3.562.1.2.2.0130.0.0010	10	1.3	18	257	440	100/500/1000
3.562.1.2.2.0130.0.0012	12	1.3	18.6	308	505	100/500/1000
3.562.1.2.2.0130.0.0016	16	1.3	21.3	408	650	100/500/1000
3.562.1.2.2.0130.0.0020	20	1.3	24	509	820	100/500/1000

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Part Number	Pair Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.562.1.2.2.0150.0.0001	1	1.5	7.2	33	70	100/500/1000
3.562.1.2.2.0150.0.0002	2	1.5	10.5	62	135	100/500/1000
3.562.1.2.2.0150.0.0004	4	1.5	12.3	119	220	100/500/1000
3.562.1.2.2.0150.0.0008	8	1.5	17	232	400	100/500/1000
3.562.1.2.2.0150.0.0010	10	1.5	19.2	289	495	100/500/1000
3.562.1.2.2.0150.0.0012	12	1.5	20	346	575	100/500/1000
3.562.1.2.2.0150.0.0016	16	1.5	22.8	459	760	100/500/1000
3.562.1.2.2.0150.0.0020	20	1.5	25.8	573	934	100/500/1000
Part Number	Pair Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.562.1.2.2.0250.0.0001	1	2.5	8.9	52	110	100/500/1000
3.562.1.2.2.0250.0.0002	2	2.5	11.9	99	190	100/500/1000
3.562.1.2.2.0250.0.0004	4	2.5	15.3	194	330	100/500/1000
3.562.1.2.2.0250.0.0008	8	2.5	19.5	382	615	100/500/1000
3.562.1.2.2.0250.0.0010	10	2.5	21.5	476	765	100/500/1000
3.562.1.2.2.0250.0.0012	12	2.5	23.6	571	901	100/500/1000
3.562.1.2.2.0250.0.0016	16	2.5	27.2	759	1170	100/500/1000
3.562.1.2.2.0250.0.0020	20	2.5	30.2	948	1435	100/500/1000