



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 : Polyethylene (BS EN 50290-2, VDE 0207 Y11), Black, White; Number coded (BS 5308-2)
- 3 - 1st Stranding: Pairs or triples stranded in layers.
- 4 - 1st Wrapping: Polyester tape
- 5 - Individual : Tinned copper earthing wire, Al/PET tape Screen
- 6 - 2nd Stranding: Screened pairs are stranded in layers.
- 7 - 2nd Wrapping: Polyester tape
- 8 - Screen : Tinned copper earthing wire, Al/PET tape
- 9 - Outer Jacket: UV resistant PVC outer jacket. RAL 9005 (Black)

Technical Characteristics

Cross Section	Conductor Resistance Ω/km (20 °C)	Insulation Resistance $\text{M}\Omega/\text{km}$ (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	5000	100	25	6	300/500	2000	2000
075 mm ²	24.5	5000	100	25	13	300/500	2000	2000
1.00 mm ²	18.1	5000	100	25	16	300/500	2000	2000
1.30 mm ²	13.9	5000	100	40	18	300/500	2000	2000
1.5 mm ²	12.1	5000	100	40	20	300/500	2000	2000
2.5 mm ²	7.41	5000	100	60	25	300/500	2000	2000

Mechanical Characteristics

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

Notes
Electromagnetic compatibility (EMC)

RE-2Y(St)Y-PiMF

Part Number	Pair Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.562.2.1.2.0050.0.0002	2	0.5	9.1	33	88	100/500/1000
3.562.2.1.2.0050.0.0004	4	0.5	10.6	61	135	100/500/1000
3.562.2.1.2.0050.0.0008	8	0.5	14.1	117	245	100/500/1000
3.562.2.1.2.0050.0.0010	10	0.5	16.7	145	308	100/500/1000
3.562.2.1.2.0050.0.0012	12	0.5	17.2	173	352	100/500/1000
3.562.2.1.2.0050.0.0016	16	0.5	19.3	229	461	100/500/1000
3.562.2.1.2.0050.0.0020	20	0.5	21.4	284	551	100/500/1000
3.562.2.1.2.0050.0.0024	24	0.5	24.0	340	660	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)
3.562.2.1.2.0075.0.0002	2	0.75	9.8	43	107	100/500/1000
3.562.2.1.2.0075.0.0004	4	0.75	11.6	81	165	100/500/1000
3.562.2.1.2.0075.0.0008	8	0.75	15.2	156	290	100/500/1000
3.562.2.1.2.0075.0.0010	10	0.75	18.1	194	370	100/500/1000
3.562.2.1.2.0075.0.0012	12	0.75	18.7	232	425	100/500/1000
3.562.2.1.2.0075.0.0016	16	0.75	21.1	307	555	100/500/1000
3.562.2.1.2.0075.0.0020	20	0.75	23.5	383	680	100/500/1000
3.562.2.1.2.0075.0.0024	24	0.75	26.3	459	810	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)
3.562.2.1.2.0100.0.0002	2	1	10.5	53	122	100/500/1000
3.562.2.1.2.0100.0.0004	4	1	12.5	101	194	100/500/1000
3.562.2.1.2.0100.0.0008	8	1	16.7	197	357	100/500/1000
3.562.2.1.2.0100.0.0010	10	1	19.7	244	448	100/500/1000
3.562.2.1.2.0100.0.0012	12	1	20.4	292	516	100/500/1000
3.562.2.1.2.0100.0.0016	16	1	22.8	388	676	100/500/1000
3.562.2.1.2.0100.0.0020	20	1	25.6	484	826	100/500/1000
3.562.2.1.2.0100.0.0024	24	1	28.7	579	988	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)
3.562.2.1.2.0130.0.0002	2	1.3	11.5	64	148	100/500/1000
3.562.2.1.2.0130.0.0004	4	1.3	13.3	124	224	100/500/1000
3.562.2.1.2.0130.0.0008	8	1.3	17.8	243	415	100/500/1000
3.562.2.1.2.0130.0.0010	10	1.3	21.1	302	521	100/500/1000
3.562.2.1.2.0130.0.0012	12	1.3	22.0	362	612	100/500/1000
3.562.2.1.2.0130.0.0016	16	1.3	24.7	481	803	100/500/1000
3.562.2.1.2.0130.0.0020	20	1.3	27.6	600	980	100/500/1000
3.562.2.1.2.0130.0.0024	24	1.3	31.0	719	1173	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)
3.562.2.1.2.0150.0.0002	2	1.5	11.8	71	161	100/500/1000
3.562.2.1.2.0150.0.0004	4	1.5	14.1	137	250	100/500/1000
3.562.2.1.2.0150.0.0008	8	1.5	18.4	268	454	100/500/1000
3.562.2.1.2.0150.0.0010	10	1.5	22.0	334	580	100/500/1000
3.562.2.1.2.0150.0.0012	12	1.5	22.8	400	675	100/500/1000
3.562.2.1.2.0150.0.0016	16	1.5	25.6	532	880	100/500/1000
3.562.2.1.2.0150.0.0020	20	1.5	28.7	663	1076	100/500/1000
3.562.2.1.2.0150.0.0024	24	1.5	32.1	795	1290	100/500/1000

RE-2Y(St)Y-TiMF

Part Number	Pair Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.562.3.1.2.0050.0.0002	2	0.5	10.1	42	125	100/500/1000
3.562.3.1.2.0050.0.0004	4	0.5	12.0	80	185	100/500/1000
3.562.3.1.2.0050.0.0008	8	0.5	15.6	155	320	100/500/1000
3.562.3.1.2.0050.0.0010	10	0.5	18.6	192	390	100/500/1000
3.562.3.1.2.0050.0.0012	12	0.5	19.2	229	456	100/500/1000
3.562.3.1.2.0050.0.0016	16	0.5	21.5	304	600	100/500/1000
3.562.3.1.2.0050.0.0020	20	0.5	24.1	379	726	100/500/1000
3.562.3.1.2.0050.0.0024	24	0.5	27.5	454	881	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)
3.562.3.1.2.0075.0.0002	2	0.75	10.8	57	145	100/500/1000
3.562.3.1.2.0075.0.0004	4	0.75	12.8	109	238	100/500/1000
3.562.3.1.2.0075.0.0008	8	0.75	17.1	214	400	100/500/1000
3.562.3.1.2.0075.0.0010	10	0.75	20.3	266	500	100/500/1000
3.562.3.1.2.0075.0.0012	12	0.75	21.0	318	570	100/500/1000
3.562.3.1.2.0075.0.0016	16	0.75	23.5	422	743	100/500/1000
3.562.3.1.2.0075.0.0020	20	0.75	26.3	527	910	100/500/1000
3.562.3.1.2.0075.0.0024	24	0.75	29.5	631	1095	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)
3.562.3.1.2.0100.0.0002	2	1	11.8	72	176	100/500/1000
3.562.3.1.2.0100.0.0004	4	1	13.8	140	247	100/500/1000
3.562.3.1.2.0100.0.0008	8	1	18.3	274	474	100/500/1000
3.562.3.1.2.0100.0.0010	10	1	22.0	341	604	100/500/1000
3.562.3.1.2.0100.0.0012	12	1	22.8	409	700	100/500/1000
3.562.3.1.2.0100.0.0016	16	1	25.5	543	915	100/500/1000
3.562.3.1.2.0100.0.0020	20	1	28.5	678	1126	100/500/1000
3.562.3.1.2.0100.0.0024	24	1	32.0	812	1341	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)
3.562.3.1.2.0130.0.0002	2	1.3	12.7	90	205	100/500/1000
3.562.3.1.2.0130.0.0004	4	1.3	15.1	174	320	100/500/1000
3.562.3.1.2.0130.0.0008	8	1.3	20.1	344	570	100/500/1000
3.562.3.1.2.0130.0.0010	10	1.3	24.0	428	723	100/500/1000
3.562.3.1.2.0130.0.0012	12	1.3	25.0	513	847	100/500/1000
3.562.3.1.2.0130.0.0016	16	1.3	28.0	682	1100	100/500/1000
3.562.3.1.2.0130.0.0020	20	1.3	31.2	852	1350	100/500/1000
3.562.3.1.2.0130.0.0024	24	1.3	35.0	1021	1610	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)
3.562.3.1.2.0150.0.0002	2	1.5	13.1	99	209	100/500/1000
3.562.3.1.2.0150.0.0004	4	1.5	15.5	193	340	100/500/1000
3.562.3.1.2.0150.0.0008	8	1.5	20.8	382	630	100/500/1000
3.562.3.1.2.0150.0.0010	10	1.5	24.8	476	800	100/500/1000
3.562.3.1.2.0150.0.0012	12	1.5	25.7	570	915	100/500/1000
3.562.3.1.2.0150.0.0016	16	1.5	28.8	759	1210	100/500/1000
3.562.3.1.2.0150.0.0020	20	1.5	32.2	947	1480	100/500/1000
3.562.3.1.2.0150.0.0024	24	1.5	36.4	1136	1780	100/500/1000