



Application

- At instrumentation control and data processes, analog and digital signal transmission.
- In chemical and petrochemical industry.
- Powerplants.
- In indoor environments intensely populated by people, where there is electromagnetic interference.
- 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 halogen-free outer jacket. RAL 9004 (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	5000	100	25	6	300/500	2000	2000
0.75 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

Standards

Smoke Density Test	Corrosive Gas Test	Halogen-free Test	Flame Propagation Test
IEC 61034-2, VDE 0482-1034-2, EN 61034-2, BS EN 61034-2	IEC 60754-2, VDE 0482-267-2-3, EN 50267-2-3, BS EN 50267-2-3	IEC 60754-1, VDE 0482-267-2-1, EN 50267-2-1, BS EN 50267-2-1	IEC 60332-3-24, EN 60332-3-24, BS EN 60332-3-24, VDE 0482-332-3-31

Notes

Electromagnetic compatibility (EMC)

RE-2Y(Sf)H-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)
3.562.2.1.3.0050.0.0002	2	0.5	9.1	33	94	100/500/1000
3.562.2.1.3.0050.0.0004	4	0.5	10.6	61	138	100/500/1000
3.562.2.1.3.0050.0.0008	8	0.5	14.1	117	251	100/500/1000
3.562.2.1.3.0050.0.0010	10	0.5	16.7	145	316	100/500/1000
3.562.2.1.3.0050.0.0012	12	0.5	17.2	173	360	100/500/1000
3.562.2.1.3.0050.0.0016	16	0.5	19.3	229	470	100/500/1000
3.562.2.1.3.0050.0.0020	20	0.5	21.4	284	561	100/500/1000
3.562.2.1.3.0050.0.0024	24	0.5	24.0	340	673	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)
3.562.2.1.3.0075.0.0002	2	0.75	9.8	43	107	100/500/1000
3.562.2.1.3.0075.0.0004	4	0.75	11.6	81	169	100/500/1000
3.562.2.1.3.0075.0.0008	8	0.75	15.2	156	300	100/500/1000
3.562.2.1.3.0075.0.0010	10	0.75	18.1	194	378	100/500/1000
3.562.2.1.3.0075.0.0012	12	0.75	18.7	232	433	100/500/1000
3.562.2.1.3.0075.0.0016	16	0.75	21.1	307	568	100/500/1000
3.562.2.1.3.0075.0.0020	20	0.75	23.5	383	693	100/500/1000
3.562.2.1.3.0075.0.0024	24	0.75	26.3	459	829	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)
3.562.2.1.3.0010.0.0002	2	1	10.5	53	121	100/500/1000
3.562.2.1.3.0010.0.0004	4	1	12.5	101	199	100/500/1000
3.562.2.1.3.0010.0.0008	8	1	16.7	197	364	100/500/1000
3.562.2.1.3.0010.0.0010	10	1	19.7	244	457	100/500/1000
3.562.2.1.3.0010.0.0012	12	1	20.4	292	526	100/500/1000
3.562.2.1.3.0010.0.0016	16	1	22.8	388	687	100/500/1000
3.562.2.1.3.0010.0.0020	20	1	25.6	484	840	100/500/1000
3.562.2.1.3.0010.0.0024	24	1	28.7	579	1004	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)
3.562.2.1.3.0013.0.0002	2	1.3	11.5	64	152	100/500/1000
3.562.2.1.3.0013.0.0004	4	1.3	13.3	124	229	100/500/1000
3.562.2.1.3.0013.0.0008	8	1.3	17.8	243	422	100/500/1000
3.562.2.1.3.0013.0.0010	10	1.3	21.1	302	531	100/500/1000
3.562.2.1.3.0013.0.0012	12	1.3	22.0	362	623	100/500/1000
3.562.2.1.3.0013.0.0016	16	1.3	24.7	481	817	100/500/1000
3.562.2.1.3.0013.0.0020	20	1.3	27.6	600	995	100/500/1000
3.562.2.1.3.0013.0.0024	24	1.3	31.0	719	1192	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)
3.562.2.1.3.0015.0.0002	2	1.5	11.8	71	160	100/500/1000
3.562.2.1.3.0015.0.0004	4	1.5	14.1	137	257	100/500/1000
3.562.2.1.3.0015.0.0008	8	1.5	18.4	268	462	100/500/1000
3.562.2.1.3.0015.0.0010	10	1.5	22.0	334	591	100/500/1000
3.562.2.1.3.0015.0.0012	12	1.5	22.8	400	682	100/500/1000
3.562.2.1.3.0015.0.0016	16	1.5	25.6	532	894	100/500/1000
3.562.2.1.3.0015.0.0020	20	1.5	28.7	663	1092	100/500/1000
3.562.2.1.3.0015.0.0024	24	1.5	32.10	795	1306	100/500/1000

RE-2Y(Sf)H-TIME

Part Number	Pair Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.562.3.1.3.0050.0.0002	2	0.5	10.1	42	122	100/500/1000
3.562.3.1.3.0050.0.0004	4	0.5	12.0	80	200	100/500/1000
3.562.3.1.3.0050.0.0008	8	0.5	15.5	155	330	100/500/1000
3.562.3.1.3.0050.0.0010	10	0.5	18.6	192	406	100/500/1000
3.562.3.1.3.0050.0.0012	12	0.5	19.2	229	465	100/500/1000
3.562.3.1.3.0050.0.0016	16	0.5	21.5	304	604	100/500/1000
3.562.3.1.3.0050.0.0020	20	0.5	24.1	379	738	100/500/1000
3.562.3.1.3.0050.0.0024	24	0.5	27.5	454	900	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)
3.562.3.1.3.0075.0.0002	2	0.75	10.8	57	140	100/500/1000
3.562.3.1.3.0075.0.0004	4	0.75	12.8	109	228	100/500/1000
3.562.3.1.3.0075.0.0008	8	0.75	17.1	214	422	100/500/1000
3.562.3.1.3.0075.0.0010	10	0.75	20.3	266	505	100/500/1000
3.562.3.1.3.0075.0.0012	12	0.75	21.0	318	580	100/500/1000
3.562.3.1.3.0075.0.0016	16	0.75	23.5	422	755	100/500/1000
3.562.3.1.3.0075.0.0020	20	0.75	26.3	527	932	100/500/1000
3.562.3.1.3.0075.0.0024	24	0.75	29.5	631	1110	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)
3.562.3.1.3.0010.0.0002	2	1	11.8	72	170	100/500/1000
3.562.3.1.3.0010.0.0004	4	1	13.8	140	271	100/500/1000
3.562.3.1.3.0010.0.0008	8	1	18.3	274	482	100/500/1000
3.562.3.1.3.0010.0.0010	10	1	22.0	341	615	100/500/1000
3.562.3.1.3.0010.0.0012	12	1	22.8	409	708	100/500/1000
3.562.3.1.3.0010.0.0016	16	1	25.5	543	924	100/500/1000
3.562.3.1.3.0010.0.0020	20	1	28.5	678	1129	100/500/1000
3.562.3.1.3.0010.0.0024	24	1	32.0	812	1350	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)
3.562.3.1.3.0013.0.0002	2	1.3	12.7	90	200	100/500/1000
3.562.3.1.3.0013.0.0004	4	1.3	15.1	174	333	100/500/1000
3.562.3.1.3.0013.0.0008	8	1.3	20.1	344	580	100/500/1000
3.562.3.1.3.0013.0.0010	10	1.3	24.0	428	735	100/500/1000
3.562.3.1.3.0013.0.0012	12	1.3	25.0	513	850	100/500/1000
3.562.3.1.3.0013.0.0016	16	1.3	28.0	682	1115	100/500/1000
3.562.3.1.3.0013.0.0020	20	1.3	31.2	852	1358	100/500/1000
3.562.3.1.3.0013.0.0024	24	1.3	35.0	1021	1622	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)
3.562.3.1.3.0015.0.0002	2	1.5	13.1	99	220	100/500/1000
3.562.3.1.3.0015.0.0004	4	1.5	15.5	193	370	100/500/1000
3.562.3.1.3.0015.0.0008	8	1.5	20.8	382	700	100/500/1000
3.562.3.1.3.0015.0.0010	10	1.5	24.8	476	870	100/500/1000
3.562.3.1.3.0015.0.0012	12	1.5	25.7	570	1020	100/500/1000
3.562.3.1.3.0015.0.0016	16	1.5	28.8	759	1350	100/500/1000
3.562.3.1.3.0015.0.0020	20	1.5	32.2	947	1650	100/500/1000
3.562.3.1.3.0015.0.0024	24	1.5	36.4	1136	2000	100/500/1000