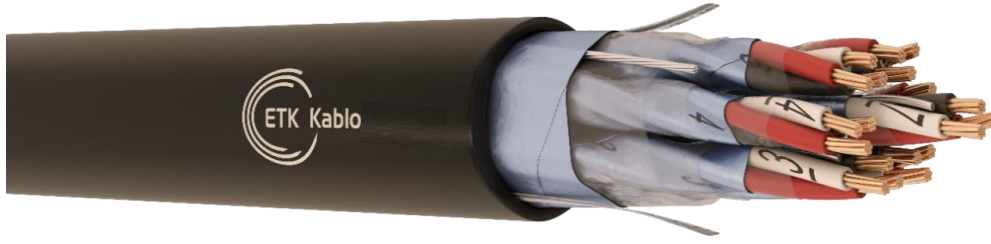


Electronic Control Cables

Instrumentation Cables

RE-2X(St)H-PiMF



images are illustrative purpose only

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 : XLPE (BS EN 50290-2, VDE 0207 Y11), Black, White; Number coded (BS 5308-2)
- 3-Indv. Stranding : Insulations are stranding into pairs
- 4-Indv. Wrapping : Polyester tape
- 5-Indv. Screen : Tinned copper earthing wire, Al/PET tape
- 6-Ovrl. Stranding : Screened pairs are stranding into layers
- 7-Ovrl. Wrapping : Polyester tape
- 8-Ovrl. Screen : Tinned copper earthing wire, Al/PET tape
- 9-Outer Jacket : UV resistant halogen-free outer jacket

Technical Characteristics

Cross Section	Conductor Resistance Ω/km (20 °C)	Insulation Resistance M Ω/km (20 °C)	Mutual Capacitance nF/km	Operating Voltage V (DC)	Test Voltage V (DC. 1 minute)
0.50 mm ²	36.0	5000	160	300	2000
0.75 mm ²	24.5	5000	160	300	2000
1.00 mm ²	18.1	5000	160	300	2000
1.50 mm ²	12.1	5000	170	300	2000
2.50 mm ²	7.41	5000	170	500	2500

Mechanical Characteristics

Bending Radius	Temperature Range Operating
7.5xD mm	-30°C ~ +90°C

Standards

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

Notes

Reference Standard: EN 50288-7

RE-2X(St)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)
3.561.12.aX11.0.0.3 0.0050.0002-EN	2	0.50	8.3	30.1	76	500/1000
3.561.12.aX11.0.0.3 0.0050.0004-EN	4	0.50	9.5	55.4	114	500/1000
3.561.12.aX11.0.0.3 0.0050.0006-EN	6	0.50	11.3	80.7	160	500/1000
3.561.12.aX11.0.0.3 0.0050.0008-EN	8	0.50	12.2	106.0	197	500/1000
3.561.12.aX11.0.0.3 0.0050.0010-EN	10	0.50	14.4	131.2	248	500/1000
3.561.12.aX11.0.0.3 0.0050.0012-EN	12	0.50	14.8	156.5	282	500/1000
3.561.12.aX11.0.0.3 0.0050.0016-EN	16	0.50	16.5	207.1	364	500/1000
3.561.12.aX11.0.0.3 0.0050.0020-EN	20	0.50	18.3	257.6	440	500/1000
3.561.12.aX11.0.0.3 0.0050.0024-EN	24	0.50	20.4	308.2	526	500/1000
3.561.12.aX11.0.0.3 0.0075.0002-EN	2	0.75	9.0	40.4	91	500/1000
3.561.12.aX11.0.0.3 0.0075.0004-EN	4	0.75	10.3	75.9	140	500/1000
3.561.12.aX11.0.0.3 0.0075.0006-EN	6	0.75	12.4	111.4	199	500/1000
3.561.12.aX11.0.0.3 0.0075.0008-EN	8	0.75	13.4	147.0	248	500/1000
3.561.12.aX11.0.0.3 0.0075.0010-EN	10	0.75	15.8	182.5	311	500/1000
3.561.12.aX11.0.0.3 0.0075.0012-EN	12	0.75	16.5	218.0	365	500/1000
3.561.12.aX11.0.0.3 0.0075.0016-EN	16	0.75	18.2	289.1	462	500/1000
3.561.12.aX11.0.0.3 0.0075.0020-EN	20	0.75	20.4	360.2	571	500/1000
3.561.12.aX11.0.0.3 0.0075.0024-EN	24	0.75	22.7	431.2	683	500/1000
3.561.12.aX11.0.0.3 0.0100.0002-EN	2	1.00	9.7	50.6	106	500/1000
3.561.12.aX11.0.0.3 0.0100.0004-EN	4	1.00	11.4	96.9	173	500/1000
3.561.12.aX11.0.0.3 0.0100.0006-EN	6	1.00	13.7	142.9	247	500/1000
3.561.12.aX11.0.0.3 0.0100.0008-EN	8	1.00	14.8	188.9	307	500/1000
3.561.12.aX11.0.0.3 0.0100.0010-EN	10	1.00	17.4	234.9	386	500/1000
3.561.12.aX11.0.0.3 0.0100.0012-EN	12	1.00	18.0	281.0	443	500/1000
3.561.12.aX11.0.0.3 0.0100.0016-EN	16	1.00	20.1	373.0	574	500/1000
3.561.12.aX11.0.0.3 0.0100.0020-EN	20	1.00	22.5	465.1	709	500/1000
3.561.12.aX11.0.0.3 0.0100.0024-EN	24	1.00	25.1	557.1	848	500/1000
3.561.12.aX11.0.0.3 0.0150.0002-EN	2	1.50	11.4	68.4	140	500/1000
3.561.12.aX11.0.0.3 0.0150.0004-EN	4	1.50	13.1	132.0	225	500/1000
3.561.12.aX11.0.0.3 0.0150.0006-EN	6	1.50	15.8	195.6	322	500/1000
3.561.12.aX11.0.0.3 0.0150.0008-EN	8	1.50	17.3	259.1	413	500/1000
3.561.12.aX11.0.0.3 0.0150.0010-EN	10	1.50	20.5	322.7	519	500/1000
3.561.12.aX11.0.0.3 0.0150.0012-EN	12	1.50	21.1	386.3	597	500/1000
3.561.12.aX11.0.0.3 0.0150.0016-EN	16	1.50	23.6	513.5	775	500/1000
3.561.12.aX11.0.0.3 0.0150.0020-EN	20	1.50	26.5	640.6	958	500/1000
3.561.12.aX11.0.0.3 0.0150.0024-EN	24	1.50	29.5	767.8	1145	500/1000
3.561.12.bX11.0.0.3 0.0250.0002-EN	2	2.50	14.8	108.6	218	500/1000
3.561.12.bX11.0.0.3 0.0250.0004-EN	4	2.50	17.4	212.3	367	500/1000
3.561.12.bX11.0.0.3 0.0250.0006-EN	6	2.50	21.0	316.0	526	500/1000
3.561.12.bX11.0.0.3 0.0250.0008-EN	8	2.50	23.0	419.7	676	500/1000
3.561.12.bX11.0.0.3 0.0250.0010-EN	10	2.50	27.5	523.5	861	500/1000
3.561.12.bX11.0.0.3 0.0250.0012-EN	12	2.50	28.4	627.2	994	500/1000
3.561.12.bX11.0.0.3 0.0250.0016-EN	16	2.50	31.7	834.6	1287	500/1000
3.561.12.bX11.0.0.3 0.0250.0020-EN	20	2.50	35.8	1042.1	1608	500/1000
3.561.12.bX11.0.0.3 0.0250.0024-EN	24	2.50	39.9	1249.5	1919	500/1000