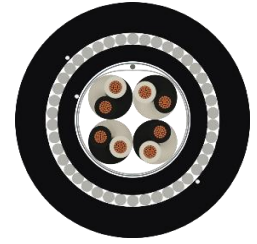


Electronic Control Cables
Instrumentation Cables
RE-2Y(St)YSWAY-TP



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, VDE 0295)
- 2-Insulation : Polyethylene (BS EN 50290-2, VDE 0207 Y11), Black, White; Number coded (BS 5308-2)
- 3-Stranding : Insulations are stranding into pairs, pairs are stranding into layers
- 4-Wrapping : Polyester tape
- 5-Screen : Tinned copper earthing wire, Al/PET tape
- 6-Inner Jacket : PVC inner jacket
- 7-Armoring : Steel wire armor, polyester tape
- 8-Outer Jacket : UV resistant PVC 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

Manufacturing Reference	Flame Retardancy Test	Flame Propagation Test
EN 50288-7	IEC 60332-1-2	IEC 60332-3-24

RE-2Y(St)YSWAY-TP

Part Number	Pair Count	Conductor Cross-section (mm ²)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.5615.02.a11.0.2.2 0.0050.0001-EN	1	0.50	9.8	14.7	195	500/1000
3.5615.02.a11.0.2.2 0.0050.0002-EN	2	0.50	12.1	24.5	274	500/1000
3.5615.02.a11.0.2.2 0.0050.0004-EN	4	0.50	13.3	44.2	336	500/1000
3.5615.02.a11.0.2.2 0.0050.0006-EN	6	0.50	14.8	63.8	404	500/1000
3.5615.02.a11.0.2.2 0.0050.0008-EN	8	0.50	15.9	83.5	466	500/1000
3.5615.02.a11.0.2.2 0.0050.0010-EN	10	0.50	17.6	103.2	543	500/1000
3.5615.02.a11.0.2.2 0.0050.0012-EN	12	0.50	18.0	122.9	577	500/1000
3.5615.02.a11.0.2.2 0.0050.0016-EN	16	0.50	19.7	162.2	685	500/1000
3.5615.02.a11.0.2.2 0.0050.0020-EN	20	0.50	22.2	201.5	924	500/1000
3.5615.02.a11.0.2.2 0.0050.0024-EN	24	0.50	24.0	240.9	1046	500/1000
3.5615.02.a11.0.2.2 0.0075.0001-EN	1	0.75	10.8	19.8	230	500/1000
3.5615.02.a11.0.2.2 0.0075.0002-EN	2	0.75	14.3	34.7	356	500/1000
3.5615.02.a11.0.2.2 0.0075.0004-EN	4	0.75	16.1	64.7	458	500/1000
3.5615.02.a11.0.2.2 0.0075.0006-EN	6	0.75	18.1	94.6	554	500/1000
3.5615.02.a11.0.2.2 0.0075.0008-EN	8	0.75	19.6	124.5	652	500/1000
3.5615.02.a11.0.2.2 0.0075.0010-EN	10	0.75	23.1	154.4	916	500/1000
3.5615.02.a11.0.2.2 0.0075.0012-EN	12	0.75	23.6	184.4	982	500/1000
3.5615.02.a11.0.2.2 0.0075.0016-EN	16	0.75	25.7	244.2	1150	500/1000
3.5615.02.a11.0.2.2 0.0075.0020-EN	20	0.75	28.2	304.1	1337	500/1000
3.5615.02.a11.0.2.2 0.0075.0024-EN	24	0.75	30.9	363.9	1542	500/1000
3.5615.02.a11.0.2.2 0.0100.0001-EN	1	1.00	10.8	25.0	234	500/1000
3.5615.02.a11.0.2.2 0.0100.0002-EN	2	1.00	13.6	45.2	343	500/1000
3.5615.02.a11.0.2.2 0.0100.0004-EN	4	1.00	14.9	85.7	424	500/1000
3.5615.02.a11.0.2.2 0.0100.0006-EN	6	1.00	17.1	126.1	543	500/1000
3.5615.02.a11.0.2.2 0.0100.0008-EN	8	1.00	18.1	166.5	616	500/1000
3.5615.02.a11.0.2.2 0.0100.0010-EN	10	1.00	21.3	206.9	874	500/1000
3.5615.02.a11.0.2.2 0.0100.0012-EN	12	1.00	21.8	247.3	936	500/1000
3.5615.02.a11.0.2.2 0.0100.0016-EN	16	1.00	23.9	328.1	1111	500/1000
3.5615.02.a11.0.2.2 0.0100.0020-EN	20	1.00	26.1	409.0	1302	500/1000
3.5615.02.a11.0.2.2 0.0100.0024-EN	24	1.00	28.6	489.8	1501	500/1000
3.5615.02.a11.0.2.2 0.0150.0001-EN	1	1.50	11.8	33.8	275	500/1000
3.5615.02.a11.0.2.2 0.0150.0002-EN	2	1.50	14.9	62.8	399	500/1000
3.5615.02.a11.0.2.2 0.0150.0004-EN	4	1.50	16.9	120.8	530	500/1000
3.5615.02.a11.0.2.2 0.0150.0006-EN	6	1.50	19.5	178.7	683	500/1000
3.5615.02.a11.0.2.2 0.0150.0008-EN	8	1.50	21.4	236.7	910	500/1000
3.5615.02.a11.0.2.2 0.0150.0010-EN	10	1.50	24.4	294.7	1104	500/1000
3.5615.02.a11.0.2.2 0.0150.0012-EN	12	1.50	25.2	352.6	1208	500/1000
3.5615.02.a11.0.2.2 0.0150.0016-EN	16	1.50	27.4	468.6	1422	500/1000
3.5615.02.a11.0.2.2 0.0150.0020-EN	20	1.50	30.0	584.5	1673	500/1000
3.5615.02.a11.0.2.2 0.0150.0024-EN	24	1.50	33.6	700.5	2131	500/1000
3.5615.02.b11.0.2.2 0.0250.0001-EN	1	2.50	13.4	53.9	345	500/1000
3.5615.02.b11.0.2.2 0.0250.0002-EN	2	2.50	18.3	102.9	559	500/1000
3.5615.02.b11.0.2.2 0.0250.0004-EN	4	2.50	21.5	201.1	880	500/1000
3.5615.02.b11.0.2.2 0.0250.0006-EN	6	2.50	25.2	299.2	1162	500/1000
3.5615.02.b11.0.2.2 0.0250.0008-EN	8	2.50	27.0	397.3	1343	500/1000
3.5615.02.b11.0.2.2 0.0250.0010-EN	10	2.50	31.3	495.4	1660	500/1000
3.5615.02.b11.0.2.2 0.0250.0012-EN	12	2.50	32.8	593.5	2007	500/1000
3.5615.02.b11.0.2.2 0.0250.0016-EN	16	2.50	36.0	789.8	2398	500/1000
3.5615.02.b11.0.2.2 0.0250.0020-EN	20	2.50	39.7	986.0	2837	500/1000
3.5615.02.b11.0.2.2 0.0250.0024-EN	24	2.50	44.7	1182.2	3627	500/1000