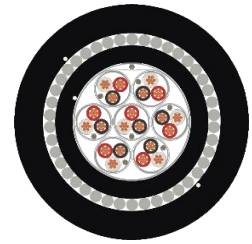


Electronic Control Cables

Instrumentation Cables

RE-2Y(St)YSWAY-PiMF



images are illustrative purpose only

Application	Cable Construction
- 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.	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-Indv. Stranding : Insulations 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-Inner Jacket : PVC inner jacket 10-Armoring : Steel wire armor, polyester tape 11-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-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)
3.5615.12.a11.0.2.2 0.0050.0002-EN	2	0.50	13.0	30.1	312	500/1000
3.5615.12.a11.0.2.2 0.0050.0004-EN	4	0.50	14.2	55.4	379	500/1000
3.5615.12.a11.0.2.2 0.0050.0006-EN	6	0.50	16.2	80.7	476	500/1000
3.5615.12.a11.0.2.2 0.0050.0008-EN	8	0.50	17.1	106.0	535	500/1000
3.5615.12.a11.0.2.2 0.0050.0010-EN	10	0.50	19.5	131.2	648	500/1000
3.5615.12.a11.0.2.2 0.0050.0012-EN	12	0.50	19.9	156.5	695	500/1000
3.5615.12.a11.0.2.2 0.0050.0016-EN	16	0.50	22.3	207.1	944	500/1000
3.5615.12.a11.0.2.2 0.0050.0020-EN	20	0.50	24.3	257.6	1086	500/1000
3.5615.12.a11.0.2.2 0.0050.0024-EN	24	0.50	26.4	308.2	1239	500/1000
3.5615.12.a11.0.2.2 0.0075.0002-EN	2	0.75	13.7	40.4	342	500/1000
3.5615.12.a11.0.2.2 0.0075.0004-EN	4	0.75	15.0	75.9	426	500/1000
3.5615.12.a11.0.2.2 0.0075.0006-EN	6	0.75	17.3	111.4	544	500/1000
3.5615.12.a11.0.2.2 0.0075.0008-EN	8	0.75	18.3	147.0	615	500/1000
3.5615.12.a11.0.2.2 0.0075.0010-EN	10	0.75	21.6	182.5	867	500/1000
3.5615.12.a11.0.2.2 0.0075.0012-EN	12	0.75	22.3	218.0	946	500/1000
3.5615.12.a11.0.2.2 0.0075.0016-EN	16	0.75	24.2	289.1	1107	500/1000
3.5615.12.a11.0.2.2 0.0075.0020-EN	20	0.75	26.4	360.2	1284	500/1000
3.5615.12.a11.0.2.2 0.0075.0024-EN	24	0.75	28.9	431.2	1489	500/1000
3.5615.12.a11.0.2.2 0.0100.0002-EN	2	1.00	14.4	50.8	377	500/1000
3.5615.12.a11.0.2.2 0.0100.0004-EN	4	1.00	16.3	96.9	490	500/1000
3.5615.12.a11.0.2.2 0.0100.0006-EN	6	1.00	18.6	142.9	621	500/1000
3.5615.12.a11.0.2.2 0.0100.0008-EN	8	1.00	19.9	188.9	720	500/1000
3.5615.12.a11.0.2.2 0.0100.0010-EN	10	1.00	23.4	234.9	1005	500/1000
3.5615.12.a11.0.2.2 0.0100.0012-EN	12	1.00	24.0	281.0	1087	500/1000
3.5615.12.a11.0.2.2 0.0100.0016-EN	16	1.00	26.1	373.0	1284	500/1000
3.5615.12.a11.0.2.2 0.0100.0020-EN	20	1.00	28.7	465.1	1503	500/1000
3.5615.12.a11.0.2.2 0.0100.0024-EN	24	1.00	32.2	557.1	1943	500/1000
3.5615.12.a11.0.2.2 0.0150.0002-EN	2	1.50	16.3	68.4	457	500/1000
3.5615.12.a11.0.2.2 0.0150.0004-EN	4	1.50	18.0	132.0	585	500/1000
3.5615.12.a11.0.2.2 0.0150.0006-EN	6	1.50	21.6	195.6	877	500/1000
3.5615.12.a11.0.2.2 0.0150.0008-EN	8	1.50	23.3	259.1	1031	500/1000
3.5615.12.a11.0.2.2 0.0150.0010-EN	10	1.50	26.5	322.7	1243	500/1000
3.5615.12.a11.0.2.2 0.0150.0012-EN	12	1.50	27.3	386.3	1349	500/1000
3.5615.12.a11.0.2.2 0.0150.0016-EN	16	1.50	29.8	513.5	1608	500/1000
3.5615.12.a11.0.2.2 0.0150.0020-EN	20	1.50	33.6	640.6	2098	500/1000
3.5615.12.a11.0.2.2 0.0150.0024-EN	24	1.50	36.8	767.8	2428	500/1000
3.5615.12.b11.0.2.2 0.0250.0002-EN	2	2.50	19.9	108.6	631	500/1000
3.5615.12.b11.0.2.2 0.0250.0004-EN	4	2.50	23.4	212.3	986	500/1000
3.5615.12.b11.0.2.2 0.0250.0006-EN	6	2.50	27.2	316.0	1277	500/1000
3.5615.12.b11.0.2.2 0.0250.0008-EN	8	2.50	29.2	419.7	1494	500/1000
3.5615.12.b11.0.2.2 0.0250.0010-EN	10	2.50	34.8	523.5	2060	500/1000
3.5615.12.b11.0.2.2 0.0250.0012-EN	12	2.50	35.7	627.2	2234	500/1000
3.5615.12.b11.0.2.2 0.0250.0016-EN	16	2.50	39.2	834.6	2675	500/1000
3.5615.12.b11.0.2.2 0.0250.0020-EN	20	2.50	44.3	1042.1	3480	500/1000
3.5615.12.b11.0.2.2 0.0250.0024-EN	24	2.50	48.6	1249.5	4009	500/1000