



MULTIPAIR PE INSULATED SCREENED & ARMURED CABLES RE-2Y(St)Y-SWA Y

DESCRIPTION

- **Conductor:** Bare annealed copper (7 wires)
0.50mm² : 7 x 0.30mm
0.75mm² : 7 x 0.37mm
1.30mm² : 7 x 0.49mm
 - **Insulation:** PE type L/MD to BS 7878
 - **Pairing:** two insulated conductors twisted together to form a pair
 - **Assembly:** in concentric layers, along with one Communication core of 0.50 mm², PE insulated, orange color, for multipair cables
 - **Screen:** aluminum bonded to polyester tape + tinned copper drain wire, (0.5mm²)
 - **Bedding:** extruded PVC type TM1
 - **Armouring:** galvanized steel wire (GSW)
 - **Jacket*:** overall PVC type TM1 to BS 7655
- * Also available with reinforced jacket
Type: RE-2Y(St)Y SWA Yv

SPECIFICATION: Generally to VDE 800 series

CHARACTERISTICS

- Test Voltage: 1000Vac - 1min.
- Rated Voltage: 300/500 V
- Rated Temperature: 70°C
- Min. **Insulation Resistance** at 20°C: 5GΩ.km
- Max. **Mutual Capacitance** at 1kHz, pF/m

Size mm ²	0.50	0.75	1.30
Without screen	75	75	75
Screened 1&2 pair	115	115	115
Screened > 2 pair	75	75	75

- **Conductor Resistance:** refer to technical section

Conductor: 0.5mm ²			
Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
1 X 2 X 0.5	9.9	14.1	227
2 X 2 X 0.5	12.3	23.7	315
3 X 2 X 0.5	13.2	33.3	360
4 X 2 X 0.5	14.7	42.9	493
6 X 2 X 0.5	16.0	62.0	574
8 X 2 X 0.5	17.4	81.2	659
10 X 2 X 0.5	18.7	100.4	741
12 X 2 X 0.5	19.8	119.5	812
14 X 2 X 0.5	20.9	138.7	892
16 X 2 X 0.5	21.9	157.9	962
19 X 2 X 0.5	23.9	186.6	1222
20 X 2 X 0.5	24.4	196.2	1262
24 X 2 X 0.5	25.9	234.6	1399

Conductor: 0.75mm ²			
Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
1 X 2 X 0.75	10.4	19.1	245
2 X 2 X 0.75	13.1	33.7	350
3 X 2 X 0.75	14.8	48.3	499
4 X 2 X 0.75	15.7	62.8	554
6 X 2 X 0.75	17.2	92.0	650
8 X 2 X 0.75	18.8	121.2	761
10 X 2 X 0.75	20.2	150.3	859
12 X 2 X 0.75	21.4	179.5	956
14 X 2 X 0.75	22.7	208.6	1053
16 X 2 X 0.75	24.4	237.8	1302
19 X 2 X 0.75	26.0	281.5	1447
20 X 2 X 0.75	26.4	296.1	1495
24 X 2 X 0.75	28.1	354.4	1660

Conductor: 1.3mm ²			
Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
1 X 2 X 1.3	11.2	30.1	286
2 X 2 X 1.3	15.1	55.7	509
3 X 2 X 1.3	16.3	81.2	594
4 X 2 X 1.3	17.3	106.8	676
6 X 2 X 1.3	19.1	157.9	815
8 X 2 X 1.3	21.0	209.1	958
10 X 2 X 1.3	22.7	260.2	1102
12 X 2 X 1.3	24.9	311.4	1402
14 X 2 X 1.3	26.3	362.5	1532
16 X 2 X 1.3	27.6	413.6	1679
19 X 2 X 1.3	29.4	490.3	1871
20 X 2 X 1.3	30.0	515.9	1936
24 X 2 X 1.3	32.0	618.2	2179

