



TEKAB

MULTIPAIR PE INSULATED SCREENED CABLES - RE-2Y(St)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)
- **Jacket*:** PVC TM1 to BS 7655

* Also available with reinforced jacket

Type: RE-2Y(St)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: 0.5mm²

Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
1 X 2 X 0.5	5.4	14.1	40
2 X 2 X 0.5	7.4	23.7	64
3 X 2 X 0.5	8.5	33.3	86
4 X 2 X 0.5	9.1	42.9	103
6 X 2 X 0.5	10.7	62.0	148
8 X 2 X 0.5	12.0	81.2	183
10 X 2 X 0.5	13.3	100.4	224
12 X 2 X 0.5	14.3	119.5	258
14 X 2 X 0.5	15.2	138.7	291
16 X 2 X 0.5	16.0	157.9	324
19 X 2 X 0.5	17.4	186.6	382
20 X 2 X 0.5	17.8	196.2	399
24 X 2 X 0.5	19.2	234.6	463

Conductor: 0.75mm²

Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
1 X 2 X 0.75	5.8	19.1	49
2 X 2 X 0.75	8.3	33.7	83
3 X 2 X 0.75	9.2	48.3	108
4 X 2 X 0.75	10.4	62.8	142
6 X 2 X 0.75	11.7	92.0	189
8 X 2 X 0.75	13.3	121.2	243
10 X 2 X 0.75	14.6	150.3	291
12 X 2 X 0.75	15.7	179.5	337
14 X 2 X 0.75	16.9	208.6	392
16 X 2 X 0.75	17.9	237.8	437
19 X 2 X 0.75	19.2	281.5	505
20 X 2 X 0.75	19.6	296.1	527
24 X 2 X 0.75	21.2	354.4	616

Conductor: 1.3mm²

Size Nr X mm ²	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
1 X 2 X 1.3	6.5	30.1	64
2 X 2 X 1.3	9.5	55.7	114
3 X 2 X 1.3	11.0	81.2	164
4 X 2 X 1.3	11.9	106.8	201
6 X 2 X 1.3	13.6	157.9	281
8 X 2 X 1.3	15.3	209.1	356
10 X 2 X 1.3	17.0	260.2	439
12 X 2 X 1.3	18.3	311.4	512
14 X 2 X 1.3	19.5	362.5	584
16 X 2 X 1.3	20.7	413.6	656
19 X 2 X 1.3	22.3	490.3	762
20 X 2 X 1.3	23.0	515.9	814
24 X 2 X 1.3	25.1	618.2	965

