



TEKAB

## MULTIPAIR PE INSULATED INDIVIDUALLY SCREENED CABLES RE-2Y(St)Y PIMF

### DESCRIPTION

- **Conductor:** Bare annealed copper (7 wires)  
0.50mm<sup>2</sup> : 7 x 0.30mm  
0.75mm<sup>2</sup> : 7 x 0.37mm  
1.30mm<sup>2</sup> : 7 x 0.49mm
- **Insulation:** PE type L/MD to BS 7878
- **Pairing:** two insulated conductors twisted together to form a pair
- **Screen:** each pair individually screened with Alu/Pet foil + tinned copper drain wire(0.5mm<sup>2</sup>)
- **Assembly:** in concentric layers, along with one Communication core of 0.50 mm<sup>2</sup>, PE insulated, orange color, for multipair cables
- **Overall Screen:** Alu/Pet foil + tinned copper drain wire (0.5mm<sup>2</sup>)
- **Jacket\*:** overall PVC type TM1 to BS 7655

\* Also available with reinforced jacket

Type: RE-2Y(St)Yv PIMF

**SPECIFICATION:** Generally to VDE 800 series

### CHARACTERISTICS

- Test Voltage: 1000Vac - 1min.
- Rated Voltage: 300V
- Rated Temperature: 70°C
- Min. **Insulation Resistance** at 20°C  
Core to Core: 5GΩ.km  
Screen to Screen: 1MΩkm
- Max. **Mutual Capacitance** at 1kHz: 115 pF/m
- **Conductor Resistance:** refer to technical section

#### Conductor: 0.5mm<sup>2</sup>

Size Nr X mm <sup>2</sup>	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 2 X 0.5	7.4	27.9	69
3 X 2 X 0.5	8.5	39.5	93
4 X 2 X 0.5	10.1	51.2	133
6 X 2 X 0.5	12.5	74.5	197
8 X 2 X 0.5	13.3	97.7	240
10 X 2 X 0.5	15.9	121.0	295
12 X 2 X 0.5	16.4	144.3	337
14 X 2 X 0.5	17.8	167.6	401
16 X 2 X 0.5	18.7	190.9	445

#### Conductor: 1.3mm<sup>2</sup>

Size Nr X mm <sup>2</sup>	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 2 X 1.3	9.8	59.9	131
3 X 2 X 1.3	11.3	87.5	178
4 X 2 X 1.3	13.0	115.1	238
6 X 2 X 1.3	15.6	170.4	333
8 X 2 X 1.3	16.6	225.6	417
10 X 2 X 1.3	20.4	280.9	539
12 X 2 X 1.3	21.1	336.1	621
14 X 2 X 1.3	22.4	391.4	707
16 X 2 X 1.3	23.9	446.6	818

#### Conductor: 0.75mm<sup>2</sup>

Size Nr X mm <sup>2</sup>	Approx. O.D. mm	Copper Weight kg/km	Approx. Weight kg/km
2 X 2 X 0.75	8.1	37.9	84
3 X 2 X 0.75	9.9	54.5	131
4 X 2 X 0.75	11.0	71.2	163
6 X 2 X 0.75	13.7	104.4	241
8 X 2 X 0.75	14.5	137.7	298
10 X 2 X 0.75	17.8	171.0	387
12 X 2 X 0.75	18.4	204.2	442
14 X 2 X 0.75	19.5	237.5	501
16 X 2 X 0.75	20.5	270.8	558

