



Application

These cables are used for connections between low-frequency power amplifiers and loudspeaker columns, as well as in low-voltage power supply installations. They are made as flat cables, with a common PVC insulation and a central groove. Suitable for fixed installation and flexible connections inside buildings.

Manufacturing

- Flexible, multi-stranded conductors twisted from soft copper wires
- Conductor insulation made of PVC insulation compound
- Insulation colour options (non-standardized)
 - Black with a longitudinal red stripe on one conductor
 - White with a longitudinal red stripe on one conductor
 - Transparent with a longitudinal red stripe on one conductor
 - Other colours of insulation or stripe available on request

Technical Data

- Minimum insulation resistance: 200 M Ω /km
- Operating voltage: 50V
- Voltage test: 500 V AC
- Operating temperature range
 - Fixed installation: -30°C to +80°C
 - Mobile installation: -10°C to +50°C
- Flame retardancy: Flame retardant
- Flame test standards: PN-EN 60332-1-2; IEC 60332-1



The wires meet the requirements of the **Harmonized Low Voltage Directive 2006/95/EC**, as well as **Directive 2011/65/EU of the European Parliament of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)**, including all amendments up to **RoHS III 2015/863**.

Conductor cross-section area and maximum resistance

0.12 mm ²	0.22 mm ²	0.35 mm ²	0.5 mm ²	0.75 mm ²	1 mm ²	1.5 mm ²	2.5 mm ²	4 mm ²
77.2 Ω /km	65.4 Ω /km	55.4 Ω /km	39.0 Ω /km	36.0 Ω /km	19.5 Ω /km	13.3 Ω /km	7.98 Ω /km	4.95 Ω /km

Product Specifications

Product Symbol	Number x Cross-section (mm ²)	Conductor Manufacturing	Outer Dimensions (mm)	Cable Weight (kg/km)
SMYp	2 x 0.12	6 x 0.162	1.3 x 3.2	7
SMYp/TLYp	2 x 0.22	11 x 0.162	1.3 x 3.2	9
SMYp/TLYp	2 x 0.35	17 x 0.162	1.6 x 3.4	13
SMYp/TLYp	2 x 0.5	16 x 0.20	2.2 x 4.5	17
SMYp/TLYp	2 x 0.75	24 x 0.20	2.2 x 4.6	21
SMYp/TLYp	2 x 1	32 x 0.20	2.5 x 5.1	25
SMYp/TLYp	2 x 1.5	48 x 0.20	2.8 x 5.7	36
SMYp/TLYp	2 x 2.5	80 x 0.20	3.7 x 7.5	50
TLYp	2 x 4	80 x 0.252	4.6 x 9.4	80

Cables with different conductor constructions and outer dimensions are available upon request. We reserve the right to modify the above specifications.