

TLYp, TLgYp

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LOUDSPEAKER CABLES



APPLICATIONS

Loudspeaker cables **TLYp** and **TLgYp** (high flexible) are intended for connection between amplifiers and loudspeakers.

The cables are flat with common PVC insulation (eight shape) on two parallel conductors.

The cables are designed to offer high acoustic parameters confirmed by testing in Electroacoustic Division, Institute of Radioelectronics Warsaw University of Technology.

The cable is suitable for indoor installations connecting fixed and movable equipment.

Cables meets requirements of "Black list" and "Grey list" published by Scandinavian carmakers.

Cables meets requirements of (RoHS) directive 2002/95/EG.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request),
- PVC insulation,
- colours:
 - black with white strip or white with black strip (cross-sections 0.35 and 0.5 mm²),
 - transparent with black or red strip (others cross-sections),other colours also available.

AVAILABLE UPON REQUEST

TLYp OFC and TLgYp OFC – cables with conductors made of oxygen-free copper (OFC),

TLYp, TLgYp

CHARACTERISTICS

Cables TLYp

| Conductor cross-section | mm ² | 0.35 | 0.5 | 0.75 | 1.0 | 1.5 |
|---------------------------------|-----------------|------|------|------|------|------|
| DC conductor resistance at 20°C | | | | | | |
| - maximum | Ω/km | 55.4 | 39.0 | 26.0 | 19.5 | 13.3 |
| - average | | 54.6 | 37.4 | 24.8 | 18.8 | 12.3 |
| Inductance, approximate | mH/km | 422 | 203 | 96 | 51 | 30 |

Cables TLgYp

| Conductor cross-section | mm ² | 1.5 | 2.5 | 4 | 6 | 10 |
|---------------------------------|-----------------|------|------|------|-----|------|
| DC conductor resistance at 20°C | | | | | | |
| - maximum | Ω/km | 13.3 | 7.98 | 4.95 | 3.3 | 1.91 |
| - average | | 12.5 | 7.5 | 4.7 | 3.0 | 1.8 |
| Inductance, approximate | mH/km | 30 | 9 | 4 | 2 | 1.5 |

| | | | |
|--------------------------------|--------------|-----------------------------|---------------------------------|
| Insulation resistance, minimum | 200 M Ω · km | Operating temperature range | |
| Operating voltage | 300 V | for fixed equipment | from -30 to +80 °C |
| Voltage test | 1500 V rms | for movable equipment | from -10 to +50 °C |
| | | Minimum bending radius | 5 x cable thickness |
| | | Cable combustibility | flame retardant |
| | | Combustibility tests | PN-EN 60332-1-2 and IEC 60332-1 |

CE = the cable meets requirements of the low voltage directive 2006/95/WE

| Cable type | Number of conductors x conductor cross-section | Construction of conductor | Cable dimensions (appr.) | Cable weight (appr.) |
|------------|--|---------------------------|--------------------------|----------------------|
| | mm ² | mm | mm | kg/km |
| TLYp | 2 x 0.35 | 20 x 0.15 | 1.6x3.4 | 11.0 |
| TLYp | 2 x 0.5 | 16 x 0.20 | 2.2x4.5 | 18.0 |
| TLYp | 2 x 0.75 | 24 x 0.20 | 2.2x4.6 | 21.5 |
| TLYp | 2 x 1.0 | 32 x 0.20 | 2.5x5.1 | 28.5 |
| TLYp | 2 x 1.5 | 30 x 0.25 | 2.6x5.4 | 35.5 |

| Cable type | Number of conductors x conductor cross-section | Construction of conductor | Cable dimensions (appr.) | Cable weight (appr.) |
|------------|--|---------------------------|--------------------------|----------------------|
| | mm ² | mm | mm | kg/km |
| TLgYp | 2 x 1.5 | 85 x 0.15 | 2.8x5.75 | 38.0 |
| TLgYp | 2 x 2.5 | 140 x 0.15 | 3.7x7.5 | 64.0 |
| TLgYp | 2 x 4.0 | 126 x 0.20 | 4.6x9.4 | 100.0 |
| TLgYp | 2 x 6.0 | 126 x 0.25 | 5.8x11.7 | 160.0 |
| TLgYp | 2 x 10.0 | 588 x 0.15 | 6.8x13.8 | 250.0 |

Other conductors and cable dimensions are available upon request.
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