TECHNOKABEL®

ISO 9001:2008

TLYp, TLgYp

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 mm^2),
    - 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),

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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 - average	Ω/km	 55.4 54.6	 39.0 37.4	 26.0 24.8	 19.5 18.8	 13.3 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 - average	Ω/km	 13.3 12.5	 7.98 7.5	 4.95 4.7	 3.3 3.0	 1.91 1.8
Inductance, approximate	mH/km	30	9	4	2	1.5

Insulation resistance, minimum	200 M Ω ·km
Operating voltage	300 V
Voltage test	1500 V rms

Operating temperature range	
for fixed equipment	from -30 to +80 °C
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.
TECHNOKABEL S.A reserves the right to change specifications without prior notice.