

1233300	DATA SHEET	
valid from: 11.10.2018	UNITRONIC® SPEAKER LIYY BK	

Application

UNITRONIC® SPEAKER LIYY BK Robust, unscreened and cold flexible speaker cable, usable in studio, on stage or for premium phone- and car HiFi-Systems.

Design

Conductor	fine strands of plain copper wires
Insulation	PVC-based cold flexible compound
Core identification code	2 cores: red, black 4 cores: red, black, white, blue 8 cores: black with white numbers
Stranding	Cores stranded in layer
Outer sheath	Soft-PVC in black

Diameter of the outer sheath

Article number	Dimension	Outer sheath $\varnothing$
1233300	2X1.5	ca. 7.0 mm
1233301	2X2.5	ca. 8.0 mm
3035378	4X2.5	ca. 10.5 mm
3035781	8X2.5	ca. 12.5 mm
1233302	2X4	ca. 9.6 mm
3035379	4X4	ca. 11.5 mm
3035967	8X4	ca. 15.6 mm
1233303	2X6	ca. 11.2 mm

Electrical properties at 20°C

Conductor resistance	1.5 mm ² : max. 13.3 Ω /km 2.5 mm ² : max. 7.9 Ω /km 4 mm ² : max. 4.9 Ω /km 6 mm ² : max. 3.3 Ω /km
Mutual capacitance	1.5 mm ² : ca. 125 nF/km 2.5 mm ² : ca. 160 nF/km 4 mm ² : ca. 155 nF/km 6 mm ² : ca. 150 nF/km (at 800 Hz)
Inductance	ca. 0.4 mH/km
Rated voltage	48 V
Test voltage	1500 V AC

Mechanical and thermal properties

Minimum bending radius	occasional flexing: 15 x cable diameter fixed installation: 5 x cable diameter
Temperature range	occasional flexing: -25 °C bis +70 °C fixed installation: -40 °C bis +80 °C
Flammability	flame retardant acc. to IEC 60332-1-2
General requirements	These cables are conform to the EU-Directive 2011/65/EU (RoHS, Restriction of the use of certain hazardous substances).

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