



system speaker cable with sense wire

4x 2.5 - 4.0 mm² + 0.5 mm² - PUR

- voltage feedback with 0.5 mm² sense wire
- fine to extra fine stranded bare copper wires
- low-temperature-flexible
- abrasion-resistant
- robust PUR jacket

PUR

The new KLOTZ AIS speaker system cables feature a sense line routing the actual voltage at the speaker back to the driver amp. This enables appropriately designed amps to measure voltage drop for each speaker cable and dynamically adjust output accordingly. Cables with polyurethane (PUR) jackets should be selected for uses involving high mechanical strain since they are extremely rugged, abrasion-resistant and flexible under extremely low temperatures and have outstanding winding characteristics.

design

conductor	stranded bare copper
core insulation	PVC
sense core	stranded bare copper wire, 16x 0.20 mm, 0.50 mm ² , PVC insulation

mechanical & thermal characteristics

permissible working temperature	-30°C / +80°C
min. bending radius	
installed	4x overall diameter
mobile use	8x overall diameter
REACH conformity	acc. to REACH regulation 1907/2006
no hazardous substances	acc. to EU directive RoHS 2011/65/EU from 08.06.2011
POP regulation	acc. to POP regulation (EU) 2019/1021
CE conformity	acc. to EU directive LVD 2014/35/EU
flame retardancy	acc. to IEC 60332-1-2
halogen-free	acc. to IEC 60754-1
non corrosive	acc. to IEC 60754-2

electric

conductor resistance	
2.5 mm ²	< 7,5 Ω/km
4.0 mm ²	< 4,5 Ω/km
insulation resistance	> 20 MΩ x km
test voltage [50 Hz, 1 min]	2000 V
max. operating voltage	300 V
sense	< 40 Ω/km

order code	power cores mm ²	cond. construction mm	outer jacket	operating temperature	outer Ø mm
LYS425P	4 x 2.5	50 x 0.25	PUR	-40°C / +85°C	9.5
LYS440P	4 x 4.0	226 x 0.15	PUR	-40°C / +85°C	11.4

order code	cable color	weight kg/m	copper weight g/m	standard lengths m
LYS425P	black	0,16	105	10 / 15 / 20 / 25 / 30 / 50 / 100 / 200 / 300 / 500
LYS440P	black	0,24	165	10 / 15 / 20 / 25 / 30 / 50 / 100 / 200 / 300 / 500

technical specifications are subject to change