

BiTsound® INSTAL Speaker Cable LSOH PGI-(VH) OFC PH90

Fire resistant, halogen-free speaker cable with additional anti-rodent outer sheath



Technical data:

Operating temperature: -30°C to 80°C
Min. ambient temperature for fixed installations: -40°C
Min. installation temperature: -5°C
Test voltage 50Hz: 2000V
Min. insulation resistance: 20MΩxkm
Min. bending radius: 20xØ (Ø - cable diameter)

Construction:

Conductors: bare copper conductors, multi-stranded class 5 acc. to EN 60228
Insulation: special fire resistant, halogen-free compound
Core identification: black, red
Core arrangement: cores twisted together
Filling sheath: special halogen-free compound
Inner sheath: special halogen-free, self-extinguishing and flame retardant compound, acc. to EN 60332-1
Inner sheath colour: black
Outer sheath: special thermoplastic, halogen-free compound with increased mechanical resistance, anti-rodent
Outer sheath colour: black

Application:

BiTsound®INSTAL Speaker Cables LSOH PGI-(VH) OFC PH90 are designed for operation in dry and damp rooms. They can be installed in sound distribution systems, in large venues such as sports stadiums, amphitheatres, theaters, and cinema halls. They are halogen-free, do not emit smoke, significantly limit flame propagation during fire and ensure proper operation of installations for at least 90 minutes under fire conditions. Cables are also suitable for internal and external applications as well as for use in areas exposed to the presence of rodents.
 BiTsound®INSTAL Speaker Cables LSOH PGI-(VH) OFC PH90 are classified in accordance with **EN 50575 (CPR)**.

Cable properties:

- halogen free outer sheath
- flame retardance
- low smoke emission
- limited corrosive gases emission
- usage in places with increased fire safety requirements
- anti-rodent resistance
- high impact strength and flexibility at both room and low temperatures
- thermal stability

Cat. no.	nxmm ²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0400	2x1,5	8,6	112	28,8	13,30
LP0401	2x2,5	10,1	158	48,0	7,98
LP0403	2x4,0	11,2	210	76,8	4,95
LP0405	2x6,0	13,6	310	115,2	3,30
LP0407	2x10	15,8	451	192,0	1,92
LP0410	2x16	18,0	621	307,2	1,21

Cable Factory BITNER reserves the right to modify the specifications without prior notice.
 Note: On customer's request other cross sections or number of cores can be produced.

