

# BITsound® INSTAL Speaker Cable LSOH OFC

## Halogen-free speaker cable



### 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:** 5xØ (Ø - cable diameter)

### Construction:

**Conductors:** bare copper conductors  
 Class 6 (1,5mm<sup>2</sup>, 2,5mm<sup>2</sup>, 4mm<sup>2</sup> acc. to EN 60228)  
 Class 5 (6mm<sup>2</sup>, 10mm<sup>2</sup>, 16mm<sup>2</sup> acc. to EN 60228)  
**Insulation:** special halogen-free compound  
**Core identification:** 2 cores: black, red  
4 cores: black, red, white, green  
**Core arrangement:** cores twisted together  
**Filling sheath:** special halogen-free compound  
**Outer sheath:** special halogen-free compound, self-extinguishing and flame retardant acc. to EN 60332-1, UV resistant  
**Outer sheath colour:** black

### Application:

BITsound® INSTAL Speaker Cables LSOH OFC 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. Cables are halogen-free, they do not emit smoke and significantly limit flame propagation during fire. They can be used both in indoor and outdoor installations.

BITsound® INSTAL Speaker Cables LSOH OFC 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
- high impact strength and flexibility at both room and low temperatures
- thermal stability

Cat. no.	nxmm <sup>2</sup>	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]	Max. resistance of power conductors DC at 20°C [Ω/km]
LP0244	2x1,5	8,2	108	28,8	12,80
LP0279	4x1,5	9,4	154	57,6	12,80
LP0238	2x2,5	9,1	145	48,0	7,20
LP0256	4x2,5	10,5	212	96,0	7,20
LP0241	2x4,0	11,1	222	76,8	4,35
LP0243	4x4,0	12,9	333	153,6	4,35
LP0242	2x6,0	12,2	273	115,2	3,30
LP0257	4x6,0	14,2	416	230,4	3,30
LP0239	2x10	15,2	440	192,0	1,91
LP0251	4x10	17,7	674	384,0	1,91
LP0240	2x16	17,2	599	307,2	1,21
LP0252	4x16	20,2	622	614,4	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.

