Outdoor Speaker Cable

2core Overall Screened TPE

Description

- Shielded halogen-free cable with twisted pair.
- 20 revolutions per metre.
- The weather- and cold-resistant TPE sheath makes the cable very suitable for permanent installation outdoors.
- With conductors spun as a pair and screen, the cable becomes immune to electromagnetic interference in environments such as railway stations, subway stations or where cabling is near high voltage, high current systems and radio transmitters.
- Stranded flexible conductors with pure copper.
- Foil screen and earth wire.
- Low friction in the sheath, easy to pull in pipes and on cable bridges.

Cable Design

Conductor	Flexible stranded bare copper wire
Insulation	Polyethylene (PE)
Core Configuration	2 cores twisted to a pair with cotton fillers
Drain Wire	Stranded tinned copper wire (7/0,30 mm)
Screen	Polyester foil + Aluminium/Polyester 100% optical coverage
Outer Jacket	Black halogen-free cold-resistant TPE (Thermoplastic Elastomer)
Colour	Black

Fire Behaviour

Vertical Flame Test	acc. to IEC 60332-1
Halogen Free	acc. to IEC 60754-1
Corrosive gas	acc. to IEC 60754-2
Smoke Density	acc. to IEC 61034-1

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Mechanical Characteristics

Formation [N° of Cores x mm²]	Stranding [mm]	Insulation Diameter [mm]	Overall Diameter [mm ± 0,1]	Min. Bending Radius [mm]	Operating Temperature [°C]
2 x 1,50	27/0,25	2,40	6,50	62	-45 ~ +70
2 x 2,50	45/0,25	2,50	7,40	74	-45 ~ +70

Electrical Characteristics

Formation [N° of Cores x mm²]	Max. DC Resistance @20°C [Ω/km]	Max. Voltage [V]	Test Voltage [V]	Capacitance [pF/m]	VP [%]
2 x 1,50	13,1	300	1500	97	67
2 x 2,50	7,6	300	1500	140	67

Recommended maximum cable length 100V line speaker system		
Effect	1.5mm²	2.5mm²
30 Watts	1600 m	2666 m
60 Watts	800 m	1333 m
120 Watts	400 m	666 m
240 Watts	200 m	333 m

Power loss (%) / Loss dB/m @20kHz / Range 4 Ω and 8Ω speaker system						
Cross section	4 Ω Speaker			8 Ω Speaker		
mm²	11% 0.5 dB/m	21% 1.0 dB/m	50% 3.0 dB/m	11% 0.5 dB/m	21% 1.0 dB/m	50% 3.0 dB/m
2,50	34 m	74 m	282 m	71 m	151 m	564 m
1,50	18 m	38 m	143 m	35 m	76 m	285 m