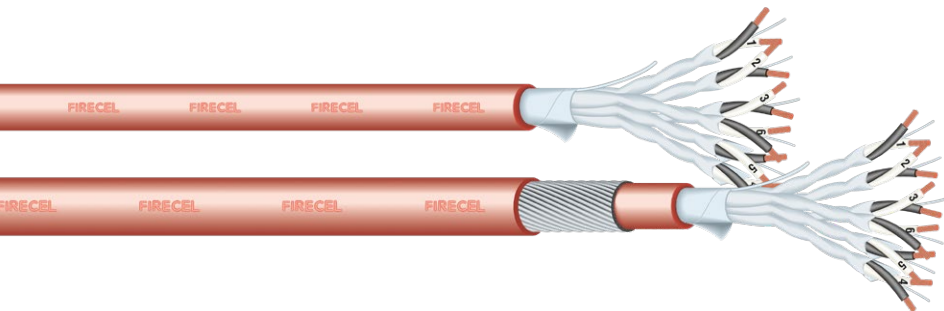


Firecel SR 228 – PA/GA

MULTI-PAIR INDIVIDUAL AND OVERALL SCREEN/MICA+XLPE INSULATION



**F-MXLPE/IS/OS/LSZH
300/500 V**

Not Armoured

**F-MXLPE/IS/OS/LSZH/
SWA/LSZH 300/500 V**

Armoured

Applications

Firecel SR 228 are designed, manufactured and tested for Public Address/General Alarm (PA/GA) system to significantly improve system integrity and functionality

Operating temperature

-40°C to +90°C.

Minimum bending radius

Not armoured type

12 times the outer diameter.

Armoured type

15 times the outer diameter.

Cable construction

Conductors

Plain copper conductor according to EN 60228 class 1 solid or class 2 stranded.

Insulation

Mica/Glass tape plus X-LSZH compound.

Twisting

The insulated cores shall be twisted in pairs for a good reduction of the electromagnetic noise.

Individual screen

Aluminium/polyester tape, coverage >100%, aluminium in contact with tinned copper drain wire 0,5 mm².

Cabling

The screened pairs are cabled with suitable non hygroscopic fillers (when necessary) and wrapped with polyester tape if required.

Overall screen

Aluminium/polyester tape with tinned copper drain wire 0,5 mm².

Armoured design

Inner sheath: LSZH thermoplastic compound.

Armour: Single layer of galvanized steel wires (SWA).

Outer sheath

LSZH thermoplastic compound.

Applicable Standards

Basic design EN 50288-7

Fire resistant EN 50200 PH 120

Flame retardant IEC 60332-1-2

Fire retardant IEC 60332-3-24 (cat. C)

Halogen free properties IEC 60754-1

Low smoke emission IEC 61034-2

UNARMoured			ARMoured		
N° of pairs x size (mm ²)	Outer diameter (mm)	Weight (kg/km)	Diameter under armour(mm)	Outer diameter (mm)	Weight (kg/km)
2.5 mm ²	F-mXLPE/IS/OS/LSZH		F-mXLPE/IS/OS/LSZH/SWA/LSZH		
1x2x2,5	9,3	120	9,3	14,1	370
2x2x2,5	14,7	270	14,7	20,0	670
4 mm ²	F-mXLPE/IS/OS/LSZH		F-mXLPE/IS/OS/LSZH/SWA/LSZH		
2x2x4,0	16,7	370	16,7	22,0	820
4x2x4,0	19,8	600	19,8	25,2	1120
6x2x4,0	24,1	920	24,1	29,7	1570
6 mm ²	F-mXLPE/IS/OS/LSZH		F-mXLPE/IS/OS/LSZH/SWA/LSZH		
2x2x6,0	18,7	500	18,7	24,1	990

Approximate values

Others cross sections and formations are available on request