

FIRECEL SR 220

Mica/XLPE Insulation



R-mXLPE/LSZH 300/500 V

APPLICATIONS

FIRECEL SR 220 are designed, manufactured and tested for general application.

MINIMUM BENDING RADIUS

10 times the outer diameter.

OPERATING TEMPERATURE

-40°C to +90°C

CABLE CONSTRUCTION

Conductors

Plain annealed copper wire, stranded according to EN 60228 class 2.

Insulation

Mica/Glass fire resistant tape covered by extruded cross-linked XLPE compound.

Cabling

Insulated cores cabled together.

Outer sheath

LSZH thermoplastic material.
Colour orange or white (other colours on request).

COLOUR CODE TO HD 308

Without earth conductor

- 2 cores: ● ●
- 3 cores: ● ● ●
- 4 cores: ● ● ● ●
- 5 cores: ● ● ● ● ●
- Above 5 cores: ● numbered

With earth conductor

- 3 cores: ● ● ●/●
- 4 cores: ● ● ● ●/●
- 5 cores: ● ● ● ● ●/●
- Above 5 cores: ● numbered ●/●

APPLICABLE STANDARDS

Basic design

EN 50288-7

Fire resistant

IEC 60331-21

Flame retardant

EN 60332-1-2 / IEC 60332-1-2

Fire retardant

EN 60332-3-24 (cat. C)

IEC 60332-3-24 (cat. C)

Acid gas emission

EN 60754-1 / IEC 60754-1

EN 60754-2 / IEC 60754-2

Smoke density

EN 61034-2 / IEC 61034-2

N° of cond. x cross section (mm ²)	Outer diameter (mm)	Weight (kg/km)
0.75 mm² stranded R-mXLPE/LSZH		
2x0.75	7.3	68
3x0.75	8.0	83
4x0.75	8.7	100
1 mm² stranded R-mXLPE/LSZH		
2x1	7.9	82
3x1	8.4	96
4x1	9.4	121
7x1	11.3	174
12x1	15.1	282
19x1	18.0	424
1.5 mm² stranded R-mXLPE/LSZH		
2x1.5	8.5	100
3x1.5	9.3	126
4x1.5	10.1	150
7x1.5	12.2	220
12x1.5	16.5	365
19x1.5	19.5	544
2.5 mm² stranded R-mXLPE/LSZH		
2x2.5	9.7	139
3x2.5	10.4	168
4x2.5	11.5	206
7x2.5	14.0	310
12x2.5	18.8	514
19x2.5	22.4	782

approximate values