

FIRECEL SR 206

Mica/XLPE Insulation



R-mXLPE/LSZH 0.6/1 kV

APPLICATIONS

Power supply and signals transmission, indoors or outdoors even wet environment. For fixed laying in free air, in pipe or conduit, on masonry and metal structures or suspended. In places where in case of fire people are exposed to serious risks for emission of smoke, toxic and corrosive gases and where you want to avoid damage to facilities, equipment, goods. Suitable for feeding of: emergency exits, alarm signals, warning of smoke or gas, escalators. Suitable for laying underground direct or indirect.

OPERATING TEMPERATURE

-40°C to +90°C

MINIMUM BENDING RADIUS

10 times the outer diameter.

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 are cabled together.

Outer sheath

LSZH thermoplastic material type ST8. Colour red (other colours on request).

COLOUR CODE TO HD 308

Without earth conductor

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

With earth conductor

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

APPLICABLE STANDARDS

Basic design IEC 60502-1

Fire resistant IEC 60331-21

Flame retardant IEC 60332-1-2

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

Acid gas emission IEC 60754-1

Smoke density IEC 61034-2

N° of cond. x cross section (mm ²)	Outer diameter (mm)	Weight (kg/km)
1.5 mm² stranded R-mXLPE/LSZH		
2x1.5	10.4	145
3x1.5	10.9	167
4x1.5	11.8	196
5x1.5	12.9	226
2.5 mm² stranded R-mXLPE/LSZH		
2x2.5	11.2	180
3x2.5	11.8	209
4x2.5	12.8	250
5x2.5	14.0	289
4 mm² stranded R-mXLPE/LSZH		
2x4	12.3	230
3x4	13.0	275
4x4	14.1	331
5x4	15.5	387
6 mm² stranded R-mXLPE/LSZH		
2x6	14.6	329
3x6	15.5	397
4x6	16.9	482
5x6	18.6	565
10 mm² stranded R-mXLPE/LSZH		
2x10	16.4	450
3x10	17.4	554
4x10	19.1	682
5x10	21.0	805
16 mm² stranded R-mXLPE/LSZH		
2x16	18.5	619
3x16	19.7	777
4x16	20.3	1050
5x16	23.9	1208
25 mm² stranded R-mXLPE/LSZH		
2x25	22.0	914
3x25	23.5	1161
4x25	26.0	1500
5x25	28.7	1700

approximate values