

FIRECEL SR 106H

Silicone Insulation



R-SR/LSZH 0.6/1 KV / F-SR/LSZH 0.6/1 KV

APPLICATIONS

Power supply and signals transmission, indoor or outdoor 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
(for insulated conductors only: max 200°C).

MINIMUM BENDING RADIUS

15 times the outer diameter

CABLE CONSTRUCTION

Conductors

Plain annealed copper wire, stranded class 2 for section up to 10 mm² or flexible class 5 for section above 10 mm² according to EN 60228.

Insulation

High performance fire resistant silicone rubber.

Cabling

Insulated cores are cabled together.

Outer sheath

Extruded LSZH thermoplastic material.
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

Fire resistant EN 50200 (PH90) / IEC 60331-21 / BS 6387 (cat. C-W-Z) / SS 299 part 1

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)
1.5 mm² stranded R-SR/LSZH		
2x1.5	9.2	124
3x1.5	9.8	148
4x1.5	10.6	176
5x1.5	11.5	214
2.5 mm² stranded R-SR/LSZH		
2x2.5	10.0	155
3x2.5	10.6	188
4x2.5	11.5	228
5x2.5	12.6	266
4 mm² stranded R-SR/LSZH		
2x4	11.2	207
3x4	12.1	263
4x4	13.6	332
5x4	14.5	399
6 mm² stranded R-SR/LSZH		
2x6	13.1	298
3x6	14.4	372
4x6	15.8	463
5x6	17.6	576
10 mm² stranded R-SR/LSZH		
2x10	15.9	441
3x10	16.8	541
4x10	18.5	680
5x10	20.5	850
16 mm² flexible F-SR/LSZH		
2x16	17.4	602
3x16	19.4	777
4x16	21.2	973
5x16	23.3	1202

approximate values