

FIRECEL SR 106H

Silicone Insulation



SR/LSZH 0.6/1 KV

APPLICATIONS

Power supply and signal 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 due to the 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