

FIRECEL SR 109

Flexible/Silicone Insulation
Overall Screen



F-SR/OS/LSZH 450/750 V

APPLICATIONS

FIRECEL SR 109 are designed, manufactured and tested for general application in power and signal wiring, for emergency circuit and fire circuit control where high rejection to electrostatic noise is needed.

OPERATING TEMPERATURE

40°C to +90°C

MINIMUM BENDING RADIUS

8 times the outer diameter.

CABLE CONSTRUCTION

Conductors

Plain annealed copper wire, flexible according to EN 60228 class 5.

Insulation

High performance fire resistant silicone rubber.

Cabling

Insulated cores are cabled together.

Overall screen

Aluminium/polyester tape with tinned copper drain wire.

Outer sheath

LSZH thermoplastic material.

Colour red (other colours on request).

COLOUR CODE

Without earth conductor

2 cores: ● ●

3 cores: ● ● ●

4 cores: ● ● ● ●

7 cores and **above**: ● numbered

With earth conductor

3 cores: ● ● ●/●

4 cores: ● ● ● ●/●

5 cores: ● ● ● ● ●/●

7 cores and **above**: ● numbered ●/●

APPLICABLE STANDARDS

Fire resistant

CEI 20-36/2-1
EN 50200 (PH120)
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 flexible | | |
| F-SR/OS/LSZH | | |
| 2x0.75 | 7.6 | 69 |
| 3x0.75 | 8.0 | 84 |
| 4x0.75 | 8.7 | 103 |
| 1 mm² flexible | | |
| F-SR/OS/LSZH | | |
| 2x1 | 8.0 | 78 |
| 3x1 | 8.2 | 86 |
| 4x1 | 8.9 | 110 |
| 7x1 | 10.8 | 176 |
| 12x1 | 13.9 | 275 |
| 19x1 | 16.4 | 408 |
| 1.5 mm² flexible | | |
| F-SR/OS/LSZH | | |
| 2x1.5 | 8.3 | 88 |
| 3x1.5 | 8.8 | 112 |
| 4x1.5 | 9.8 | 141 |
| 7x1.5 | 11.7 | 218 |
| 12x1.5 | 15.3 | 352 |
| 19x1.5 | 18.2 | 535 |
| 2.5 mm² flexible | | |
| F-SR/OS/LSZH | | |
| 2x2.5 | 9.8 | 123 |
| 3x2.5 | 10.4 | 159 |
| 4x2.5 | 11.4 | 196 |
| 7x2.5 | 13.4 | 305 |
| 12x2.5 | 17.9 | 505 |
| 19x2.5 | 21.1 | 760 |

approximate values