

# Firecel SR 116H

SILICONE INSULATION



**R-SR/LSZH 450/750 V**

## Applications

**FIRECEL SR 116H** are designed, manufactured and tested for general application in power supply and signal wiring, for emergency circuit and fire circuit control.

## Operating temperature

-40°C to +90°C  
(for insulated conductors only: max 200°C).

## Minimum bending radius

10 times the outer diameter.

## Cable construction

### Conductors

Plain copper conductor stranded according to EN 60228 class 2.

### Insulation

High performance fire resistant silicone rubber.

### Cabling

Insulated cores are cabled together.

### Outer sheath

LSZH thermoplastic compound.  
Colour red (other colours on request).

## Applicable Standards

### Fire resistant

CEI 20-36/2-1  
EN 50200 (PH90)  
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

## 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: ● ● ● ● ●/●

N° of cores x size (mm <sup>2</sup> )	Outer diameter (mm)	Weight (kg/km)
<b>1.5 mm<sup>2</sup> stranded</b>		
R-SR/LSZH		
2x1.5	7.8	96
3x1.5	8.3	116
4x1.5	9.3	147
5x1.5	10.5	180
<b>2.5 mm<sup>2</sup> stranded</b>		
R-SR/LSZH		
2x2.5	9.2	138
3x2.5	9.8	169
4x2.5	11.3	222
5x2.5	12.3	259
<b>4 mm<sup>2</sup> stranded</b>		
R-SR/LSZH		
2x4	10.5	189
3x4	11.6	246
4x4	12.5	299
5x4	14.0	359

Approximate values