

# FIRECEL SR 104

## FIRE RESISTANT CABLE



FIRE RESISTANCE



FIRE PROPAGATION



ZERO HALOGEN



FIRE RESISTANCE WITH MECHANICAL SHOCKS



FIRE AND WATER RESISTANCE



LOW SMOKE EMISSION



110/1b

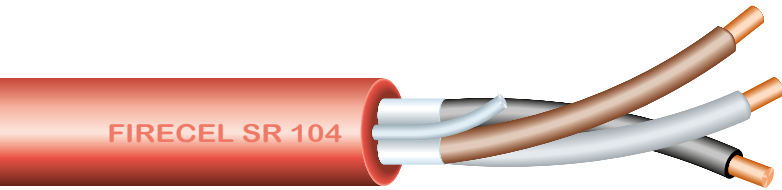
**Caviced**

Conducting Value

# FIRECEL SR 104 300/500 V



Silicone Insulation / Overall Screen  
Solid & Stranded conductor



## BS EN 50200: 2015 - BS EN 50200 PH120

830°C fire and mechanical shocks

## BS 6387:2013

**Cat. C** fire @ 950°C - 180 min

**Cat. W** fire 15 min + fire and water spray + 15 min.

**Cat. Z** fire and mechanical shocks @ 950°C - 15 min. fire

## BS EN 50200 Annex E

830°C - 30 min. (15 min. fire and mechanical shocks  
+ 15 min. fire mechanical shocks and water spray)

## APPLICATIONS

**FIRECEL SR 104** are primarily intended for general application. Typical applications are: Fire detection and fire alarm systems for building, voice alarm, emergency voice communication, emergency lighting and central battery systems.

## OPERATING TEMPERATURE

-40°C to +90°C

## APPLICABLE STANDARDS

### Basic design

EN 50288-7

### Fire resistant

BS 6387 (cat. C-W-Z)

BS EN 50200 - BS EN 50200 PH120

BS EN 50200 Annex E

### Flame retardant

BS EN 60332-1-2

IEC 60332-3-22 cat. A

### Acid gas emission

BS EN 60754-1

BS EN 60754-2

### Smoke density

BS EN 61034-2

## CABLE CONSTRUCTION

### Conductors

Plain annealed copper wire, solid class 1 or stranded class 2 according to EN 60228.

### Insulation

High performance fire resistant silicone rubber type EI2 to BS EN 50363-1.

### Cabling

Insulated cores are cabled together.

### Overall screen

Aluminium/polyester tape.

### Drain wire

Uninsulated tinned copper conductor, 0,5 mm<sup>2</sup>

### Outer sheath

LSZH thermoplastic material type LTS3 according BS 7655.

Colour red or white (other colours on request).

## COLOUR CODE UP TO 4 CORES TO HD 308

**2 cores:** ● ●  
**3 cores:** ● ● ●  
**4 cores:** ● ● ● ●

N° of cores. x size	Size of conductors (n°/mm)	Outer diameter (mm)	Net Weight (kg/km)
<b>1.5 mm<sup>2</sup> solid</b>			
2x1.5	1/1.38	7.8	90
3x1.5	1/1.38	8.4	110
4x1.5	1/1.38	9.3	140
<b>2.5 mm<sup>2</sup> solid</b>			
2x2.5	1/1.75	9.0	120
3x2.5	1/1.75	9.5	150
4x2.5	1/1.75	10.6	190
<b>1.5 mm<sup>2</sup> stranded</b>			
2x1.5	7/0.53	8.5	100
3x1.5	7/0.53	8.8	120
4x1.5	7/0.53	9.8	150
<b>2.5 mm<sup>2</sup> stranded</b>			
2x2.5	7/0.67	9.6	140
3x2.5	7/0.67	10.3	170
4x2.5	7/0.67	11.2	210
<b>4.0 mm<sup>2</sup> stranded</b>			
2x4	7/0.85	11.2	190
3x4	7/0.85	11.9	240
4x4	7/0.85	12.8	290

Cables with cross section 0.5, 0.75, 1.0 sqmm can be supplied on request. Please contact our Technical Dpt. for further information on characteristics.

## HEADQUARTER AND FACTORY

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