

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

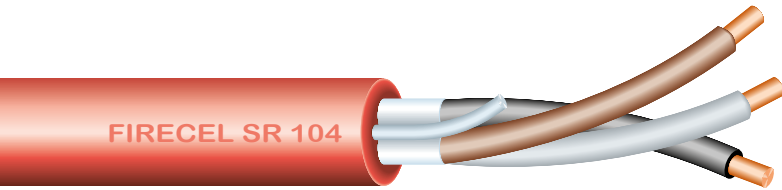
Caviced

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 mm²

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)
1.5 mm² solid			
2x1.5	1/1.38	7.8	90
3x1.5	1/1.38	8.4	110
4x1.5	1/1.38	9.3	140
2.5 mm² solid			
2x2.5	1/1.75	9.0	120
3x2.5	1/1.75	9.5	150
4x2.5	1/1.75	10.6	190
1.5 mm² stranded			
2x1.5	7/0.53	8.5	100
3x1.5	7/0.53	8.8	120
4x1.5	7/0.53	9.8	150
2.5 mm² stranded			
2x2.5	7/0.67	9.6	140
3x2.5	7/0.67	10.3	170
4x2.5	7/0.67	11.2	210
4.0 mm² stranded			
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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