Firecel SR 104

SILICONE INSULATION / OVERALL SCREEN
SOLID & STRANDED CONDUCTOR

SR/OS/LSZH 300/500 V

LPCB ref. 217n (cables up to 4 cores)
For the scope of the LPCB Approval
see www.redbooklive.com

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

Minimum Bending radius

6 times the outer diameter

Cable construction

Conductors
Plain copper conductor according to EN 60228 class 1 solid or class 2 stranded.

Insulation
High performance fire resistant silicone rubber.

Cabling
Insulated cores are cabled together.

Overall screen
Aluminium/polyester tape with tinned copper drain wire 0,5 mm².

Outer sheath
LSZH thermoplastic compound 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:

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

N° of cores x size (mm²)	Size of conductors (n°/mm)	Outer diameter (mm)	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

Approximate values

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.