

FIRECEL SR 140

Mica/XLPE Insulation. Armoured



R-mXLPE/LSZH/SWA/LSZH 0.6/1 kV

APPLICATIONS

Power supply and signals transmission, indoors or outdoors even wet environment. For fixed laying in free air, in pipe or conduit, on masonry and metal structures or suspended. In places where in case of fire people are exposed to serious risks for emission of smoke, toxic and corrosive gases and where you want to avoid damage to facilities, equipment, goods. Suitable for feeding of: emergency exits, alarm signals, warning of smoke or gas, escalators. Suitable for laying underground direct or indirect.

OPERATING TEMPERATURE

-40°C to +90°C

MINIMUM BENDING RADIUS

12 times the outer diameter.

CABLE CONSTRUCTION

Conductors

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

Insulation

Mica/Glass fire resistant tape covered by extruded cross-linked XLPE compound.

Cabling

Insulated cores are cabled together.

Bedding

LSZH thermoplastic material.

Armour

Single layer of galvanized steel wires (SWA).

Outer sheath

LSZH thermoplastic material.

Colour black (other colours on request).

COLOUR CODE TO HD 308

- 2 cores: ● ●
 3 cores: ● ● ●
 4 cores: ● ● ● ●
 7 cores: ● numbered

APPLICABLE STANDARDS

Basic design BS 7846

Fire resistant

BS 7846 (cat. F2) / BS 6387 (cat. C-W-Z) /
 BS EN 50200 (PH60)
 BS 8491

Flame retardant EN 60332-1-2

Fire retardant EN 60332-3-24 (cat. C)

Acid gas emission EN 60754-1

Smoke density EN 61034-2

N° of cond. x cross section (mm ²)	Diameter under armour (mm)	Outer diameter (mm)	Weight (kg/km)
1.5 mm² stranded R-mXLPE/LSZH/SWA/LSZH			
2x1.5	8.8	13.8	364
3x1.5	9.8	14.8	418
4x1.5	10.6	15.6	460
7x1.5	12.8	18.2	607
12x1.5	16.8	23.1	988
19x1.5	19.4	26.4	1390
27x1.5	23.3	30.5	1760
37x1.5	26.4	34.0	2175
2.5 mm² stranded R-mXLPE/LSZH/SWA/LSZH			
2x2.5	9.6	14.6	416
3x2.5	10.7	15.7	480
4x2.5	11.2	16.2	514
7x2.5	13.8	19.9	818
12x2.5	18.2	25.4	1312
19x2.5	21.4	28.8	1705
27x2.5	25.8	33.4	2180
37x2.5	29.2	37.8	2950
4 mm² stranded R-mXLPE/LSZH/SWA/LSZH			
2x4	11.1	16.1	510
3x4	11.8	16.8	570
4x4	12.9	17.9	649
7x4	15.6	21.7	1004
12x4	20.9	28.1	1642
6 mm² stranded R-mXLPE/LSZH/SWA/LSZH			
2x6	12.3	17.3	600
3x6	13.1	18.1	680
4x6	14.4	20.5	927
10 mm² stranded R-mXLPE/LSZH/SWA/LSZH			
2x10	14.9	19.9	800
3x10	16.1	22.2	1078
4x10	17.7	23.8	1256
16 mm² stranded R-mXLPE/LSZH/SWA/LSZH			
2x16	17.1	22.5	1034
3x16	18.3	24.4	1354
4x16	20.2	26.5	1625
25 mm² stranded R-mXLPE/LSZH/SWA/LSZH			
2x25	20.3	26.6	1530
3x25	21.8	28.8	1972
4x25	24.1	31.3	2355
35 mm² stranded R-mXLPE/LSZH/SWA/LSZH			
2x35	22.7	29.9	2055
3x35	24.3	31.7	2450
4x35	27.0	34.4	2943

approximate values