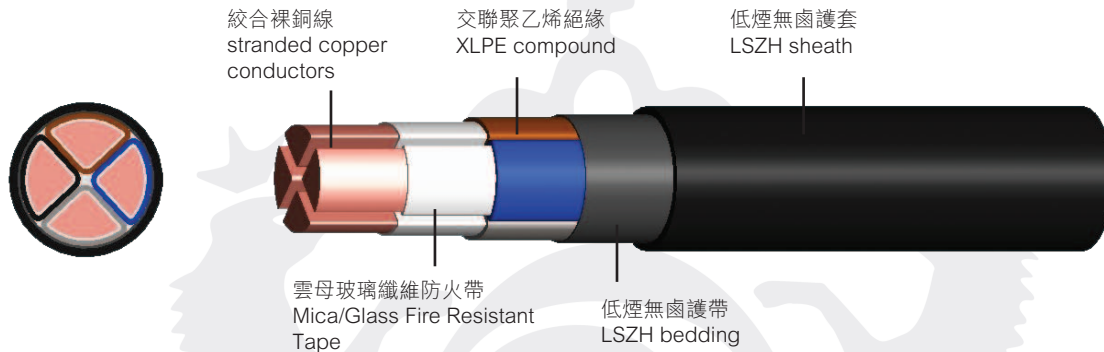


## 雲母帶和交聯聚乙烯絕緣、無鎧裝、低煙無鹵護套防火電纜 (1-4芯)

### MICA TAPE AND XLPE INSULATED, UN-ARMOURED, LSZH SHEATHED FIRE RESISTANT CABLES (1-4 CORES)



ROYAL HORSE 600/1000V N x N.N SQMM FR10 FIRE RESISTANT ELECTRIC CABLE IEC 60502-1 IEC 60331

#### 說明

- 工作溫度: 90 °C
- 額定電壓: 600/1000V
- 標準: IEC60502-1、BS6387、BS7846、IEC60331、IEC60332-1、IEC60332-3、IEC60754、IEC61034
- 型號: FR/XLPE/LSZH
- 導體使用絞合裸銅線(FR10)
- 防火雲母帶
- 交聯聚乙烯絕緣
- 阻燃低煙無鹵內護帶
- 阻燃低煙無鹵護套

#### 應用

- 適用於核電站、地下鐵道、隧道、機場、碼頭、廣播電視塔等要求高阻燃防火的場合

#### DESCRIPTION

- Rated Temperature: 90°C
- Rated Voltage: 600/1000V
- Reference Standard: IEC60502-1, BS6387, BS7846, IEC60331, IEC60332-1, IEC60332-3, IEC60754, IEC61034
- Model: FR/XLPE/LSZH
- Stranded copper conductors (FR10)
- Mica/Glass fire resistant tape
- Insulated with cross-link polyethylene compound
- LSZH bedded
- LSZH sheathed overall

#### APPLICATION

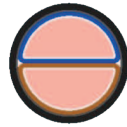
- For nuclear power plants, underground railways, tunnels, airports, docks, radio tower and other high fire resistant requirements situation

## 雲母帶和交聯聚乙烯絕緣、無鎧裝、低煙無鹵護套防火電纜 (1-4芯)

### MICA TAPE AND XLPE INSULATED, UN-ARMOURED, LSZH SHEATHED FIRE RESISTANT CABLES (1-4 CORES)



單芯 Single Core



兩芯 Two Core



三芯 Three Core



四芯 Four Core

#### 單芯 Single-Core\*

截面 Cross-sectional Area (mm <sup>2</sup> )	導體結構 No. & diameter of wire (N/mm)	平均外徑 Average overall diameter (mm)	參考重量 Reference weight (kg/km)	導體最大電阻 Conductor Resistance (Ω/km) 20°C Max
1.5	7/0.52	6.6	58	12.1
2.5	7/0.67	7.1	72	7.41
4.0	7/0.85	7.6	91	4.61
6.0	7/1.04	8.3	117	3.08
10	7/1.35	9.3	165	1.83
16	7/1.70	10.3	229	1.15
25	7/2.24	11.6	333	0.727
35	19/1.56	12.6	420	0.524
50	19/1.86	14.1	564	0.387
70	14/2.55	16.2	762	0.268
95	19/2.55	17.8	1010	0.193
120	24/2.55	19.6	1263	0.153
150	30/2.55	21.6	1539	0.124
185	37/2.55	23.8	1910	0.0991
240	48/2.55	26.4	2463	0.0754
300	60/2.55	29	3060	0.0601
400	60/2.95	32.7	3991	0.0470

注：25mm<sup>2</sup>及以上均為圓形緊壓絞導體（第2類）

Note: 25mm<sup>2</sup> and above are circular compacted stranded conductors (Class 2)

## 雲母帶和交聯聚乙烯絕緣、無鎧裝、低煙無鹵護套防火電纜 (1-4芯)

### MICA TAPE AND XLPE INSULATED, UN-ARMOURED, LSZH SHEATHED FIRE RESISTANT CABLES (1-4 CORES)

兩芯至四芯 Two-core to Four-Core

截面 Cross-sectional Area (mm <sup>2</sup> )	導體結構 No. & diameter of wire (N/mm)	平均外徑 Average overall diameter (mm)			參考重量 Reference weight (kg/km)			導體最大電阻 Insulation Resistancee (Ω/km) 20°C Max
		2	3	4	2	3	4	
1.5	7/0.52	13.4	13.8	14.8	225	245	284	12.1
2.5	7/0.67	14.2	14.9	16.0	263	300	352	7.41
4.0	7/0.85	15.2	15.9	17.2	320	370	442	4.61
6.0	7/1.04	16.6	17.4	18.9	399	470	567	3.08
10	7/1.35	18.6	19.6	21.3	538	648	791	1.83
16	7/1.70	20.6	21.8	23.7	714	879	1066	1.15
25	7/2.24	23.2	24.5	26.8	991	1245	1561	0.724
25*	10/1.83	19.0	21.5	23.8	731	1033	1337	0.724
35	19/1.56	25.2	26.7	29.3	1226	1556	1940	0.52
35*	14/1.83	20.7	23.7	26.1	927	1350	1753	0.52
50	19/1.83	22.1	26.2	29.2	1234	1788	2326	0.387
70	27/1.83	25.6	30.0	33.4	1671	2440	3178	0.268
95	37/1.83	28.1	32.5	37.6	2190	3215	4226	0.193
120	30/2.32	30.5	36.1	41.6	2740	4043	5305	0.153
150	37/2.32	33.8	39.5	45.4	3339	4923	6465	0.124
185	37/2.52	36.9	43.1	50.7	4044	5964	7874	0.0991
240	48/2.52	41.0	48.6	56.1	5149	7613	10013	0.0754
300	61/2.52	44.7	53.7	61.8	6411	9520	12501	0.0601
400	61/2.95	50.3	60.8	69.2	8611	12802	16842	0.0470

\*25mm<sup>2</sup>和35mm<sup>2</sup>可以圓形或扇形導體  
圓形導體 ≤ 35mm<sup>2</sup>; 扇形導體 ≥ 50mm<sup>2</sup>

\* 25mm<sup>2</sup> and 35mm<sup>2</sup> could be in shaped conductor  
Circular conductor ≤ 35mm<sup>2</sup>; Shaped conductor ≥ 50mm<sup>2</sup>