



450/750V Limited Fire Hazard Earthing Cables to SE774

Applications

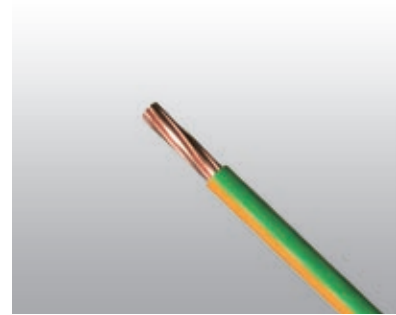
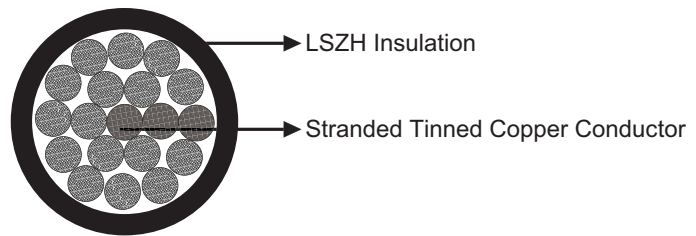
The single core signalling earth and power cables are used in safety signalling equipment rooms.

Standards

- SE774
- UNE 21027

Construction

- Conductors: Stranded tinned copper conductors.
- Insulation: Thermoplastic LSZH.



Electrical Characteristics at 20°C

| | | | | | | |
|---------------------------------|-----------------|-----------|-----|------|------|-------|
| Nominal Conductor Cross Section | mm ² | 1.0 | 4.0 | 6.0 | 16.0 | 35.0 |
| Maximum DC Conductor Resistance | Ω/km | 18.2 | 4.7 | 3.11 | 1.16 | 0.529 |
| Voltage Rating | KV | 0.45/0.75 | | | | |

Mechanical and Thermal Properties

- Minimum Bending Radius: 7.5×OD
- Temperature Range: -25°C to +85°C (during operation); -10°C to +70°C (during installation)

Dimensions and Weight

| Cable Code | No. of cores & Nominal Conductor Cross Sectional Area No. × mm ² | No. & Nominal Diameter of Strands No./mm | Nominal Insulation Thickness mm | Nominal Overall Diameter mm | Nominal Weight kg/km |
|-----------------------------|--|---|------------------------------------|--------------------------------|-------------------------|
| RF774-ES07Z-U-450/750V-1G1 | 1×1.0 | 1/1.13 | 0.6 | 4.0 | 28 |
| RF774-ES07Z-U-450/750V-1G4 | 1×4.0 | 7/0.85 | 0.8 | 5.5 | 33 |
| RF774-ES07Z-U-450/750V-1G6 | 1×6.0 | 7/1.04 | 0.8 | 6.1 | 90 |
| RF774-ES07Z-U-450/750V-1G16 | 1×16.0 | 7/1.7 | 1.0 | 8.1 | 197 |
| RF774-ES07Z-U-450/750V-1G35 | 1×35.0 | 19/1.53 | 1.2 | 10.9 | 389 |

U is changed to K if the stranding class is changed from class 2 to class 5

| | | | | | |
|---|---|--|--|--|--------------|
| | | | | | |
| Flame Retardant NF C32-070-2.1(C2) IEC 60332-1/EN 50265-2-1 | Fire Retardant NF C32-070-2.2(C1) IEC 60332-3/EN50266 | Zero Halogen IEC 60754-1/NF C20-454 EN 50267-2-1 | Low Smoke Emission IEC 61034/NFC20-902 EN 50268/NF C32-073 | Low Corrosivity EN 50267-2-2/NF C32-074 IEC 60754-2/NF C20-453 | Low Toxicity |