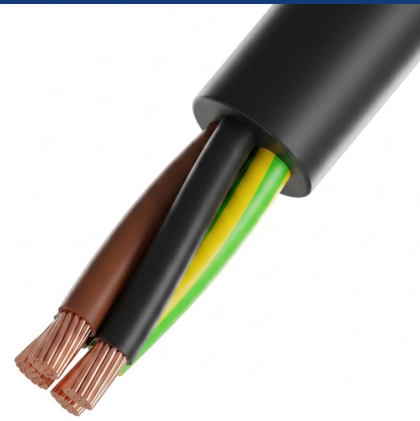


Flame Retardant / LSZH Power Cable (Low Smoke Zero Halogen, 0.6/1kV)

Farwalk's Flame Retardant LSZH Cables are the essential building blocks for safe, high-density public infrastructure. Engineered to self-extinguish and halt the spread of fire along cable trays, these cables feature Low Smoke Zero Halogen (LSZH) materials that eliminate deadly toxic fumes and blinding black smoke, ensuring safe human evacuation and protecting sensitive electronic assets.



Applications

The standard requirement for power distribution in densely populated or enclosed spaces where fire safety is paramount. Applications include: Subway networks, airport terminals, data centers, hospitals, high-rise residential towers, and enclosed industrial control rooms.

Description

Manufactured with premium plain copper conductors and high-thermal-capacity XLPE insulation. The inner bedding and outer sheath are extruded from specialized Low Smoke Zero Halogen (LSZH) polyolefin compounds. The cables are formulated to pass severe vertical bundled flame propagation tests, guaranteeing they will not act as a conduit for fire.

Specifications

- **Voltage Rating: 0.6/1kV**
- **Flame Retardance: IEC 60332-1, IEC 60332-3 (Cat A/B/C)**
- **Halogen Free: IEC 60754-1/2**
- **Low Smoke Emission: IEC 61034-1/2**
- **Insulation: XLPE (90°C)**
- **Sheath: LSZH (Thermoplastic)**

Farwalk Cable — Flame Retardant / LSZH Power Cable

Complete Technical Tables

4-Core Flame Retardant LSZH, 0.6/1kV

Size (mm ²)	Approx. OD (mm)	Approx. Weight (kg/km)	Current Rating @ 30° C (A)	Max. Resistance (Ω/km)
4 x 1.5	11.2	190	23	12.1
4 x 2.5	12.5	245	31	7.41
4 x 4	13.8	330	42	4.61
4 x 6	15.2	420	54	3.08
4 x 10	17.5	640	75	1.83
4 x 16	19.8	910	100	1.15
4 x 25	24.2	1420	135	0.727
4 x 35	27.5	1850	165	0.524
4 x 50	31.5	2450	205	0.387