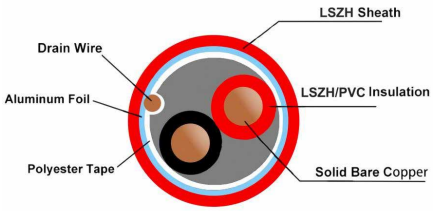
ALV-FR-2*1.0-CU-LSZH

2 Core Fire Cable 2x1.0mm² Copper 100%





Application

Screened two core Fire Resistant cable for Fire detection and fire alarm systems, Voice alarm systems, emergency voice communication, Emergency and escape lighting, Control circuits for life safety and fire fighting systems, Other essential service control circuits for Standard fire resistance.

Design

Conductor	2 x Solid Bare Copper wire
Insulation	PVC
Mylar	Yes
Drain Wire	Solid CCA wire
Screen	Aluminium foil
Sheath Material	Low Smoke Zero Halogen(LSZH)
Standard Colour:	Red
Standard Put Up Length	100, 305 and 500 meters

Physical Characteristics

No of cores x cross section	2 x 1.0 mm²
Nom. Diameter Conductor	1 x 1.13 mm
Nom. Radial Thickness Insulation	0.7 mm
Nom. Cross Section Drain Wire	0.40 mm CCA
Screen Coverage (%)	115%
Nom. Overall Diameter	7.0 mm
Cable weight	4.4 kgs/100m
Operating Temperature	-20°C to +90°C
Installation Temperature	-15°C to +90°C
Minimum bending radius	78 mm
Max. recommended pulling tension	265 N
Packaging	100m in roll PE film
Certification	CE & ROHS
Standard	ISO

Electrical Characteristics at 20°C

Max. DC Resistance Conductor	18.1 Ω/km
Nom. Capacitance conductor to conductor	95 pF/m
Nom. Capacitance conductor to rest	170 pF/m
Min. Insulation Resistance	200 MΩ*km
Max. recommended current at 25°C	18 Amps
Max. Operating Voltage	300/500 V