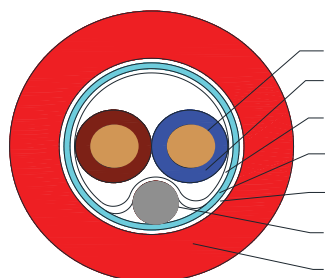


Applications

LIFECO fire-resistant cables are designed for use in fire detection and alarm systems, emergency voice communication, and emergency lighting circuits. They are UL Listed and comply with EN 50200, achieving PH120 classification, ensuring circuit integrity and functionality during fire conditions.



Conductor
 Insulation
 PET Tape
 Al/PET Tape
 PET Tape
 Drain Wire
 Sheath



Standards

IEC 60228	Conductors of insulated cables
IEC 60331-21	Tests for electric cables under fire conditions – Circuit integrity
BS EN 50200	Method of test for resistance to fire
IEC 60332-1	Flame Retardant Test Standard
IEC 60754	Halogen Free - Low Toxicity - Low Corrosivity
IEC 60134-2	Smoke Density

Construction

Conductor	Material Bare Copper
Conductor Surface	Solid
Core Insulation Material	Fire Resistant Silicon Rubber
Drain Material	Tinned Copper
Screen Material	Aluminium Foil
Material outer sheath	LSZH

Colours

Insulation Identification:

Two Cores: ● ●

Three Cores: ● ● ●

Four Cores: ● ● ● ●

Sheath: Red or White

Characteristics

Conductor DC resistance	IEC 60228 class1
Nominal Voltage	U0/U 300/300V
Operation Temperature	-20°C ~ +90°C
Installation Temperature	-5°C ~ +60°C
Minimum Bending Radius	8×D
Circuit Integrity	IEC60331, EN 50200 PH30,PH120
Fire Flame Retardant	IEC 60332-1-2



Technical Data

Part Number	No. of Cores	Nom. CS [mm²]	Nom. OD [mm]	DCR@20° C [Ω/km]	Weight [kg/km]
LF012120	2	1	5.6	18.1	47
LF013120	3	1	5.9	12.1	60
LF014120	4	1	6.5	7.41	75
LF152120	2	1.5	6.6	18.1	64
LF153120	3	1.5	7	12.1	84
LF154120	4	1.5	7.6	7.41	106
LF252120	2	2.5	7.4	18.1	84
LF253120	3	2.5	7.8	12.1	118
LF254120	4	2.5	8.8	7.41	150

Packing

100m Coil with Box

100m/300m/500m Wooden Drum with Pallet