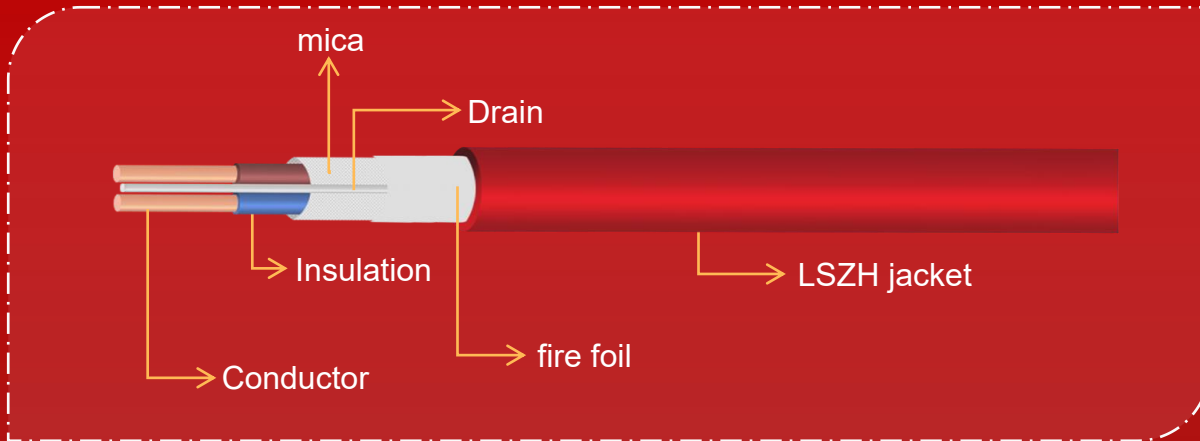


FIRE RESISTANT CABLE



Advantage:

- * Low smoke, no halogen, fire retardant, fire resistant, environmental
- * Low smoke in fire, no halogen which decrease the damage to equipments and humans
- * High retardance to fire, self- extinguishing
- * Long operational life span, equal to structures life span
- * Higher resistance to electromagnetic interferencen
- * Superior earth continty (The bare CPC is placed between two metallic tapes)
- * Enhanced resistance to cable kinks (Subsequently protecting cables performance)
- * Extremely robuast/durable design (Due to increased tape numbers and overlap)
- * Improved data transmission (Due to twisted cores and additional screening)

Product Property:

- * Conductor : solid Bare copper, class 1
- * Insulation : 200°C silicone
- * Binding tape: compound mica
- * Drain wire : $\geq 0.5\text{mm}^2$ tinned copper
- * Shielding : fire foil
- * Sheath : 90°C LSZH polyolefin
- * Insulation at 250-300°C, oxygen index $\geq 28\%$
- * Sheath at 250-300°C, oxygen index $\geq 28\%$
- * Hydracid $\geq 5\text{mg/g}$ PH value ≥ 4.3
- * Transmittance $\geq 80\%$
- * Physical mechanical propert: insulation tensile strength $\geq 5.0\text{ MPa}$ elongation at break $\geq 200\%$, sheath tensile strength $\geq 10.0\text{MPa}$, elongation at break $\geq 100\%$
- * Min bend radius: $10 \times D$, at -15°C Min bend dia $\leq 12.5\text{mm}$
- * Operating voltage: 300/500v
- * Testing voltage: 2000v
- * Operating temperature: $-20^\circ\text{C} + 90^\circ\text{C}$
- * Fire retardance compliant to IEC 60331-21; BS6387-2013
- * Fire test alone: 950°C , 180 mins
- * Fire test with water: 650°C 15mins, then apply fire and water together 15mins
- * Fire test with impact: 950°C , 15min/30times
- * Fire resistance compliant to BS EN50200-2015 PH120



Welcome to customize the drawings, samples and calls



Shenzhen Lilutong Technology Industry Co., Ltd

FIRE RESISTANT CABLE



Overview

Fire Resistant Cables are suitable for high buildings, entertainment venues and many high-quality and high demand security construction projects. They are used in fire protection systems for fire elevators, fire pumps, fire alarms, smoke exhaust systems, emergency lighting, fire hazard areas, high temperature applications and special requirements on power supply lines for safe facilities etc.

parameter

Part	Item structure	conductor	Insulation	Diameter	Sheath	Overall diameter(mm)		Resistance of conductor at 20°C:Ω/KM
						min	max	
LLT 210	2c1.0+E	1/1.13mm	Silicone	2.2	LSZH	7.2	8.2	18.1
LLT 310	3c1.0+E	1/1.13mm	Silicone	2.2	LSZH	8.5	9.5	18.1
LLT 410	4c1.0+E	1/1.13mm	Silicone	2.2	LSZH	9.5	10.5	18.1
LLT 215	2c1.5+E	1/1.38mm	Silicone	2.55	LSZH	7.2	8.2	12.1
LLT 315	3c1.5+E	1/1.38mm	Silicone	2.55	LSZH	8.5	9.5	12.1
LLT 415	4c1.5+E	1/1.38mm	Silicone	2.55	LSZH	10.5	11.5	12.1
LLT 225	2c2.5+E	1/1.78mm	Silicone	3.2	LSZH	8.0	9.0	7.41
LLT 325	3c2.5+E	1/1.78mm	Silicone	3.2	LSZH	9.5	10.5	7.41
LLT 425	4c2.5+E	1/1.78mm	Silicone	3.2	LSZH	11.5	12.5	7.41
.....



Welcome to customize the drawings, samples and calls

Certificate of Product Approval

Certificate Number: 1383b

Issue: 03

SHENZHEN LILUTONG TECHNOLOGY INDUSTRY COMPANY LIMITED

No. 83
Pingxin North Road
Pinghu
Shenzhen
China



is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirements of the standard(s) detailed below:

Product(s)

Choose an item.
LLT-FR Multi-Core Cables

Standard(s) (see Appendix for details)

BS 6387:2013 (Category CWZ)
EN 50200:2015 (Class PH120)
EN 50200:2015 Annex E (30 mins)
EN 61034-2:2005+A2:2020
EN 60754-1:2014
EN 60332-1-2:2004

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

Obada Piracha

Signed for BRE Global Ltd.

Obada Piracha
Certification Scheme Manager

9 November 2021
Date of Issue

24 May 2019
Date of First issue



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Appendix to Certificate No: 1383b

Issue: 03

SHENZHEN LILUTONG TECHNOLOGY INDUSTRY COMPANY LIMITED

Product name							LPCB Ref. No.
LLT-FR Multi-Core Cables							1383b/01
Nominal csa of conductor (mm ²)	Core Construction	BS 6387	EN 50200	EN 50200 Annex E	EN 60754-1	EN 61034-2	EN 60332-1-2
1.5 ⁽¹⁾	2, 3 & 4	C, W, Z	PH120	30 min	<0.5%	>60%	Complies
2.5 ⁽¹⁾	2, 3 & 4	C, W, Z	PH120	30 min	<0.5%	>60%	Complies

Uo/U 300/500V

Notes:

1. Solid Conductor only.

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

Obada Aléer

Signed for BRE Global Ltd.

Obada Piracha
Certification Scheme Manager

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