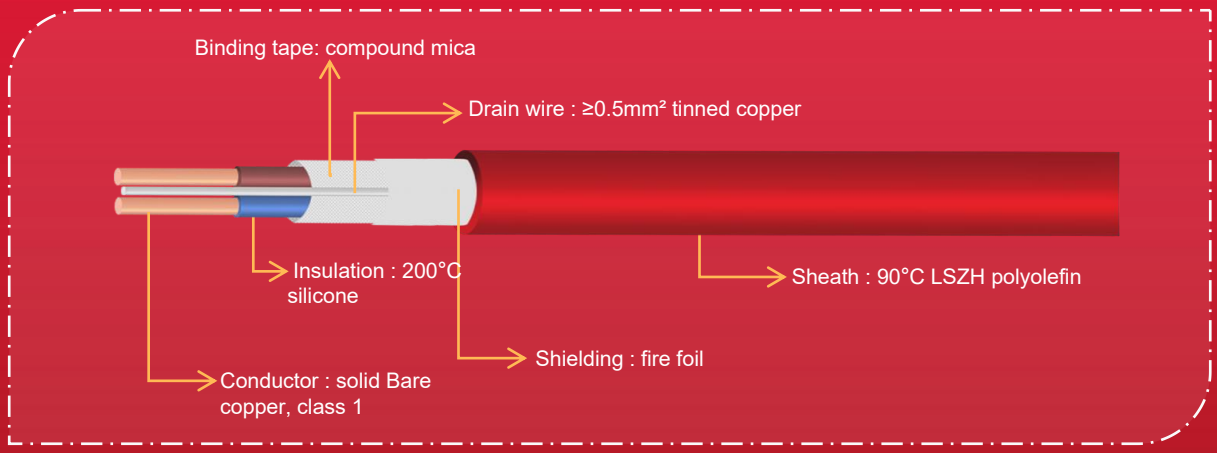
Shenzhen Lilutong Technology Industry Co., Ltd

FIRE RESISTANT CABLE



2 cores:
3 cores:
4 cores:

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 continity (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 : ≥0.5mm² tinned copper
* Shielding : fire foil
* Sheath : 90°C LSZH polyolefin
* Insulation at 250-300°C, oxygen index ≥28%
* Sheath at 250-300°C, oxygen index ≥28%
* Hydracid ≥5mg/g PH value ≥4.3
* Transmittance ≥80%
* Physical mechanical propert: insulation tensile strength ≥5.0 MPa elongation at break ≥200%, sheath tensile strength ≥10.0MPa, elongation at break ≥100%
* Min bend radius: 10 x D, at -15°C Min bend dia ≤12.5mm
* Operating voltage: 300/500v
* Testing voltage: 2000v
* Operating temperature: -20°C + 90°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 retardance compliant to BS EN50200-2015 PH30,PH120

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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 linesfor safe facilites etc.

parameter

Part	Item structure	conducor	Insulation	Diameter	Sheath	Overall diameter(mm) min	max	Resistance of conductor at 20℃:Ω/KM
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	1/1.38mm	Silicone	3.2	LSZH	8	9	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
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