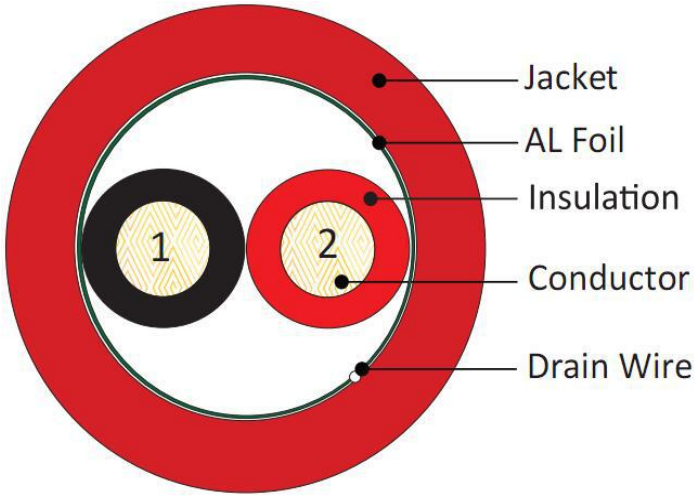




18AWG 2 CONDUCTOR FIRE ALARM CABLE SHIELDED SPEC

DATE:2021-10-19

Cross Section



Performance

Electrical Characteristics:

Conductor DC Resistance 20oC (ohms)	9.2
Proof voltage	Min AC1.5KV
AC Leakage Current Through overall	AC 1500V 10mA
Jacket	< 11.2nF/100M

Description

Rated Temperature (°C)	75
Rated Voltage(V)	300

Regulatory

NEC Article 760, cETLus&UL Subject 1424, Type FPLR, RoHS Compliant.

Application

- Fire protective signal circuit
- Smoke alarms and detectors
- Burglar alarms
- Addressable fire alarm systems

Construction

Conductor	Bare Copper
AWG	18AWG X 2C
Conductor Dia. (±0.004mm)	1.02MM
Insulation	PVC
Average Thickness(mm)	0.290
Min. Point Thickness(mm)	0.281
Insulation Dia.(±0.05mm)	1.60MM
Colors	Black & Red
Drain wire (TC) Dia.(±0.003mm)	7/0.2MM
Al Foil Shield	Yes
Jacket	LSZH
Average Thickness(mm)	0.50
Min. Point Thickness(mm)	0.45
Outer Dia.(±0.1mm)	4.4MM
Rip Cord	Nylon
Color	Red

Mechanical Characteristics:

Insulation	PVC
Aging before elongation (%)	≥150
Tensile strength before aging	13.8 Mpa
Ageing condition	(100°C 168h)
After aging biggest elongation rate (%)	≥150
Tensile strength after aging	11.7 Mpa
Jacket	LSZH
Aging before elongation (%)	≥150
Tensile strength before aging	11.3 Mpa
Ageing condition	(100°C 168h)
After aging biggest elongation rate (%)	≥150
Tensile strength after aging	8.50 Mpa
Cold Bend Test	-20°C 4hours No Cracking

Marking:

Per request

Package

305M / 1000FT Wooden Spool