

Title

Material Submittal for Fire alarm
Cable

Brand

Fire World



FIREWORLD

- *Technical Data Sheets (Catalogues).*
- *UL Listed Certificate.*



FIREWORLD

*Technical Data
Sheets (Catalogues).*



FIREWORLD

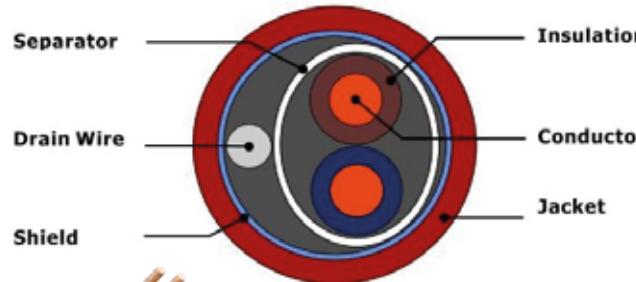
**FIREWORLD****FIREWORLD UK Limited**97 Alderley Road, Wilmslow, SK91PT,
Cheshire, United Kingdom

FPLR

Fire

Alarm

Cable



- UL listed** 🔥
- Solid Bare Copper** 🔥
- PVC Insulation** 🔥
- 2 Core with Drain Wire** 🔥
- Multiple sizes available** 🔥

General Characteristics

Minimum Insulation resistance: 200 MΩ/km
Operating Temperature: 105°C
Minimum Bend Radius: 8x diameter
Drain Wire Diameter: 0.5mm
Insulation Colour: Red & Black
Jacket / Outer Sheath Colour: Red

Material Construction

Conductor	Solid Bare Copper		
Insulation	PVC		
Separator	PET Tape		
Drain Wire	Solid Bare Copper		
Shield	PET/Aluminium Foil		
Jacket / Outer Sheath		PVC	

Cable Size	Conductor Core	Insulation	Jacket	Resistance (ohm/km)	Ordering Part Number
18AWG	1.02 mm	1.42 mm	4.2 mm	22.4	FPRL-UL18FW
16AWG	1.29 mm	1.69 mm	4.8 mm	14	FPRL-UL16FW
14AWG	1.63 mm	2.03 mm	5.5 mm	8.8	FPRL-UL14FW

Cable Compliance (UL & European Standards)

Reaction to Fire:	IEC/EN 60332-1-2:2005+A1:2016+A11:2016+A12:2021
CPR Compliance:	CPR Euroclass: Eca
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS), REACH
Cable UL Standard (Flammability):	UL1424(FPLR), Riser
Insulation/ Jacket UL standard:	UL2556, UL1666

For Sales Enquiries: Email info@fireworlduk.co.uk or Telephone +441625468400

UL Listed Certificate.



FIREWORLD

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**UL Solutions customer
file number and category**

E543704
Power-limited Fire Alarm Cable | HNIR

February 1, 2025

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Sincerely,

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Power-limited Fire Alarm Cable

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E543704

Type(s): FPL, FPLR

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