

Title

Material Submittal for Fire alarm
Cable

Brand

Fire World



FIREWORLD

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



FIREWORLD

Technical Data Sheets (Catalogues).

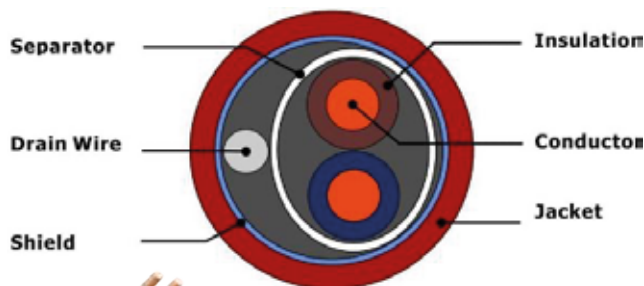


FIREWORLD

FPLR Fire Alarm Cable

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



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

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

UL Listed Certificate.



FIREWORLD

UL Solutions customer	FIREWORLD UK LIMITED 97 Alderley Road Wilmslow, SK9 1PT United Kingdom
UL Solutions customer file number and category	E543704 Power-limited Fire Alarm Cable HNIR

February 1, 2025

As of the above date, UL Solutions confirms that FIREWORLD UK LIMITED is the party associated with UL Solutions file number E543704 that appears in the UL Product iQ platform. Public information contained in UL Solutions file number E543704 can be viewed using the following link:

<https://iq.ulprospector.com/en/profile?e=8054257>

The appearance of a company's name or a specific product/component designation in the UL Product iQ platform does not in itself mean that the product or component so specified or identified is subject to the UL Solutions surveillance program.

The manufacturer's products are covered by the UL Solutions surveillance program only when they bear the authorized UL Mark. Therefore, only those products bearing the appropriate authorized UL Mark or UL Recognized Component Mark, the authorized company name, tradename, trademark and product designation shall be considered as being covered by the UL Solutions Listing, Classification, or Recognition service.

If you have questions regarding this letter, please contact the UL Solutions customer care team at <http://www.ul.com/contact-us>.

Sincerely,

UL Solutions

UL Solutions
333 Pfingsten Road
Northbrook, IL 60062

T: +1.847.272.8800

UL.com/Solutions

UL LLC © 2022. All rights reserved.

Power-limited Fire Alarm Cable

COMPANY

FIREWORLD UK LIMITED

97 Alderley Road
Wilmslow, SK9 1PT United Kingdom

E543704

Type(s): FPL, FPLR

Last Updated on 2024-12-06

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

UL Solutions permits the reproduction of the material contained in Product iQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from Product iQ with permission from UL Solutions" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "©2024 UL LLC."