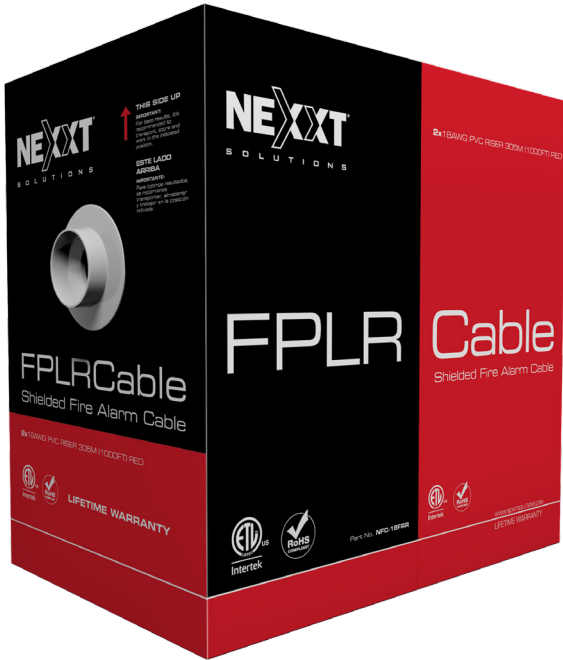
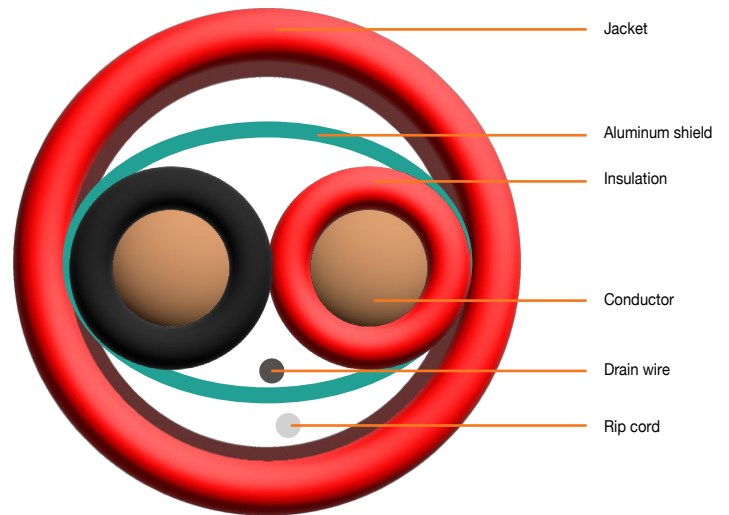


FPLR Shielded cable for fire alarm systems

NFC-16FRR / NFC-18FRR



NFC-16FRR / NFC-18FRR



Nexxt Solutions' fire alarm cable is a high-performance shielded product engineered to deliver exceptional reliability and protection for fire alarm and security systems. Constructed with two solid bare copper conductors, it ensures efficient signal transmission and durability.

This cable features a tinned copper drain wire, aluminum shield, and polyester rip cord, providing robust protection against electromagnetic interference (EMI) and other external disturbances.

Its FPLR-rated PVC external jacket and internal PVC jacket ensure superior protection in riser applications. Compliant with international standards, this cable is a secure and dependable solution for critical safety applications, backed by a lifetime warranty*.

Highlights:

- Strongly shielded with aluminum shield, tinned copper drain wire and polyester rip cord, it offers excellent protection against electromagnetic interference (EMI).
- Meticulously designed for fire alarm and security systems, it provides a robust and dependable communication link for critical safety applications.
- This cable features 2 solid bare copper conductors, which provides low resistance and consistent signal transmission.
- The external PVC jacket is FPLR-rated, making it safe for use in riser applications.
- Meets ROHS 2.0 international standards and holds ETL certification, ensuring compliance with industry regulations.
- Each drum contains 305 meters of cable, providing ample length for large-scale installations and reducing the need for additional splices.

FPL Shielded cable for fire alarm systems

NFC-16FRR / NFC-18FRR

Product specifications

Wire characteristics	NFC-16FRR	NFC-18FRR
Cable type	FPLR Fire alarm cable	
Number of conductors	2	
Wire type	Solid bare copper (99.95%)	
Wire gauge size	16AWG	18AWG
Conductor size	1.10 mm	0.9 mm
Internal characteristics		
Internal jacket material	PVC	
Average cable diameter	2.1 mm	1.8 mm
Average min. thickness	0.5 mm	0.45 mm
Min. thickness	0.46 mm	0.41 mm
Drain wire material	Tinned copper	
Drain wire size	0.4 mm	
Shield type	Aluminum	
Rip cord material	Polyester	
External characteristics		
Fire rating	FPLR Riser Cable UL 1666	
External jacket material	PVC	
Average min. thickness	0.82 mm	0.79 mm
Min. thickness	0.73 mm	0.72 mm
Average cable diameter	5.38 mm	4.92 mm
Max. strength	15.8 Mpa	
Available jacket colors	Red	
Electrical characteristics		
Voltage rating	300 V	
Operating temperature rating	-20°C~+75°C	
Characteristic impedance (Zo)	51	55
Conductive resistance	18.5Ω/KM	27.6 Ω/KM
DC resistance capacitance unbalance	0.30%	0.20%
Pair-to-ground capacitance unbalance	12	11.6
Mutual capacitance	112	88
Dielectric strength	1.5 KV	
Nominal velocity of propagation (NVP)	0.5	
Certifications and standards		
International standards	IEC 60332-1-2 & EN 50399 UL-1666 Reaction to fire EN 50575:2014+A1:2016 RoHS 2.0 Compliant REACH Compliant CPR Classification B2ca -s1, d0, a1 8043 (UL 13:2015 Standard) RoHS 2	
Certifications		
Miscellaneous		
MPN	NFC-16FRR	NFC-18FRR
UPC	798302037106	798302037083
Labeling	NFC-16FRR NEXXT FIRE ALARM CABLE 2C 16AWG SHIELDED FPLR TYPE FPLR 75°C ETL 502843, RoHS	NFC-18FRR NEXXT FIRE ALARM CABLE 2C 18AWG SHIELDED FPLR TYPE FPLR 75°C ETL 502843, RoHS
Packaging	Drum in box	
Cable length	1000 ft	
Warranty	Lifetime warranty on manufacturing defects*	

*Lifetime warranty terms and conditions apply. Please refer to the manufacturer's warranty policy for details.



RoHS

