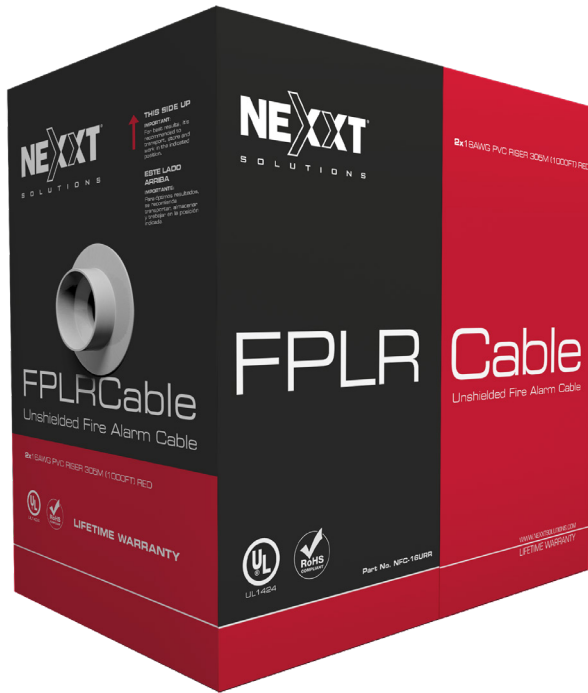


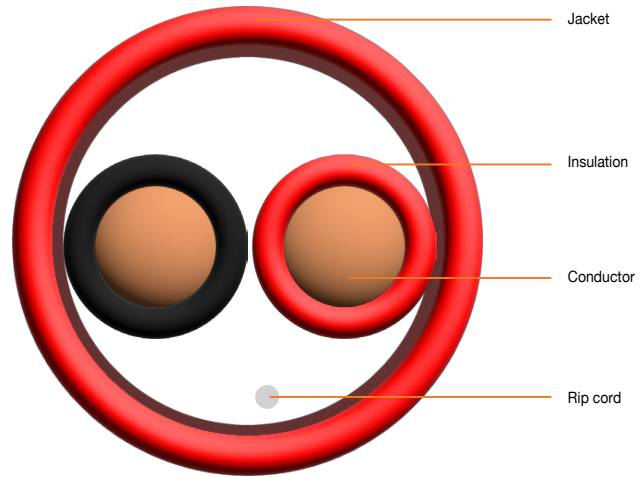
FPLR Cable

Unshielded Fire Alarm Cable

NFC-16URR / NFC-18URR



NFC-16URR / NFC-18URR



The Nexxt Solutions fire alarm cable is specifically engineered to provide reliable and stable signal transmission in critical security applications. Designed for fire alarm systems, intrusion alarms, and detection devices, it features two bare solid copper conductors, delivering low electrical resistance and excellent transmission efficiency.

Its FPLR-rated PVC outer jacket (UL 1666) makes it suitable for vertical riser installations in buildings, ensuring compliance with strict fire safety standards. It also meets international regulations, including UL 1424 and RoHS 2, confirming both technical compatibility and environmental responsibility.

Supplied in 305-meter (1000-foot) reels, this cable is ideal for large-scale installations, reducing splices and potential points of failure. Backed by a lifetime warranty against manufacturing defects, it provides peace of mind and long-term performance.

Highlights:

- Specifically designed for fire alarm systems, security applications, junction boxes, burglar alarms, and smoke detectors, ensuring reliable and efficient communication in critical safety installations.
- Incorporates two bare solid copper conductors, delivering low electrical resistance and consistent signal transmission.
- Its PVC outer jacket with FPLR rating (UL 1666) ensures compliance with fire safety regulations, making it suitable for vertical riser applications.
- Complies with international standards, including UL 1424 and RoHS 2, ensuring technical and environmental compliance.
- Available in 305-meter (1000-foot) reels, ideal for large-scale installations and reducing splicing needs.

FPLR Cable

Unshielded Fire Alarm Cable

NFC-16URR / NFC-18URR

Product Specifications

Conductor Characteristics	NFC-16URR	NFC-18URR
Cable type	FPLR Fire Alarm Cable	FPLR Fire Alarm Cable
Conductors	2	2
Conductor type	Solid Copper Class 1	Solid Copper Class 1
Wire gauge size	16AWG	18AWG
Conductor diameter	1.29 ± 0.02 mm	1.02 ± 0.02 mm
Internal characteristics		
Insulation	PVC	PVC
Minimum insulation thickness	0.20 mm	0.20 mm
Rip cord	Polyester	Polyester
External characteristics		
Fire rating	FPLR UL 1424	FPLR UL 1424
Outer jacket	PVC	PVC
Avg. jacket thickness	≥0.38 mm	≥0.38 mm
Overall cable diameter	4.50 ± 0.20 mm	3.70 ± 0.20 mm
Max. tensile strength	15.8 MPa	15.8 MPa
Jacket color	Red	Red
Electrical & Operating Characteristics		
Voltage rating	300 V	300 V
Operating temperature	-20°C ~ +75°C	-20°C ~ +75°C
Minimum bending radius	10x outer diameter	10x outer diameter
Characteristic impedance	87.5 Ω	85 - 90 Ω
Conductor resistance	≤13.5 Ω/km	≤21.5 Ω/km
Dielectric strength	1.5 KV	1.5 KV
Nominal velocity of propagation	0.53	0.53
Certifications and Standards		
International standards	UL Standard: UL 1424 Flame rating: UL 1666 (Riser applications) RoHS compliant: Directive 2011/65/EU	
Certifications	UL Certified (Power-limited Fire Alarm Cable)	
Additional Information		
MPN	NFC-16URR	NFC-18URR
UPC	798302037090	798302037076
Labeling	NEXXT FIRE ALARM CABLE P/N NFC-16URR (UL) EXXXXXX 16AWG 1P UNSHIELDED FPLR 75C (RoHS) XXX-XXXM	NEXXT FIRE ALARM CABLE P/N NFC-18URR (UL) EXXXXXX 18AWG 1P UNSHIELDED FPLR 75C (RoHS) XXX-XXXM
Package length	305 m / 1000 ft	305 m / 1000 ft
Packaging	Color box	Color box
Warranty	Lifetime warranty against manufacturing defects*	

* Terms and conditions apply. Refer to the manufacturer's warranty policy for more details.



RoHS

