

NEW POWER LIMITED FIRE ALARM CABLES



AFC

CABLE SYSTEMS®

A PART OF **atkore**
INTERNATIONAL

Armored Power Limited Fire Alarm Cable Technical Specifications

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POWER LIMITED FIRE ALARM CABLES

ARMOR

Interlocked Galvanized Red Stripe Steel Strip

JACKET

- Red Plenum-Rated Low Smoke PVC
- Nylon Ripcord for Ease of Jacket Stripping

ASSEMBLY/CONDUCTORS

- Copper Conductors
- Low-Smoke Plenum PVC Insulation
- Aluminum/Polyester Tape Shield
- Tinned Copper Drain Wire

MAXIMUM CONTINUOUS OPERATING TEMPERATURE

-10°C to 75°C

MAXIMUM VOLTAGE RATING

300V

APPLICATIONS

- Fire Alarm, Signal
- Monitor/Detection
- Audio or Control Circuits

REFERENCES & RATINGS

- Manufactured in accordance with UL 1424 – Standard for Power-Limited Fire-Alarm Circuits and Listed under UL File Number E83514
- UL Classified Through-Penetrating product (XHLY) in accordance with UL 1479 under UL File Number R14141
- For use in accordance with NEC® Article 760 Part III Power-Limited Fire-Alarm (PLFA) Circuits and other applicable sections of the NEC®
- Suitable for use as taps for fire and sprinkler alarms in accordance with NEC® 230.82(5)
- Suitable for use in Health Care Facilities Patient Care Spaces in accordance with NEC® 517.80
- Suitable for use in Health Care Facilities for other than Patient Care Spaces in accordance with NEC® 517.81
- Suitable for connection to the life safety branch in accordance with NEC® 517.33(C) AND 517.43(C)

Power Limited Fire Alarm Cable

AFC's Power Limited Fire Alarm is mechanically protected for ease of installation in commercial applications, reducing call backs and labor time. AFC's Power Limited Fire Alarm has a steel armor, is color-coded RED for quick identification. The cable is fully plenum rated for all installations up through 300 volts.



POWER LIMITED FIRE ALARM CABLES

PRODUCT CODE		TRADE SIZE	APPROXIMATE WEIGHT LBS/1,000 FT	APPROXIMATE ARMOR O.D. INCHES
COIL 250'	REEL 1000'			
UNSHIELDED				
PL01R42-06	PL01R60-06	18-2 Twisted (Black, Red)	107	0.445
PL03R42-46	PL03R60-46	18-4 Twisted (Black, Red, Blue, Yellow)	120	0.445
PL10R42-06	PL10R60-06	16-2 Twisted (Black, Red)	114	0.445
PL13R42-46	PL13R60-46	16-4 Twisted (Black, Red, Blue, Yellow)	133	0.445
PL34R42-06	PL34R60-06	14-2 Twisted (Black, Red)	125	0.445
Note: Additional color combinations available				
SHIELDED				
PL50R42-06	PL50R60-06	18-2 Twisted Shielded (Black, Red)*	110	0.445
PL60R42-06	PL60R60-06	16-2 Twisted Shielded (Black, Red)*	115	0.445
PL28R42-06	PL28R60-06	14-2 Twisted Shielded Pair (Black, Red)*	128	0.445
COMPOSITE CABLE				
PL27R42-06	PL27R60-06	18-2 Twisted Shielded (Black, Red)* 14-2 Twisted Shielded (Black, Red)*	178	0.544
PL91R42-06	PL91R60-06	16-2 Twisted Shielded (Black, Red)* 14-2 Twisted (Black, Red)	188	0.572

*Tinned Copper Drain Wire