

CIC 2-Hour Fire-Rated

Maintain Circuit Integrity and Physical Protection with a Simple, In-Conduit Solution

A cost-effective means of providing “survivability” as required by the National Fire Alarm Code (NFPA 72). Additionally, it can dramatically increase the reliability of any fire alarm system when it needs it the most (i.e. system is under attack by fire and water). Flexible and easy to install without the need for any special tools, hardware or instructions. Another benefit of the fire-rated construction is extremely low-capacitance, improving system performance and eliminating the need for special mid-cap cables.



Features & Benefits

- Recognized two-hour fire-rating when installed in common 1/2" (or larger) EMT conduit
- Maximum physical protection is provided by conduit installation
- Considerable economic savings over other recognized fire-rating methods
- Lowest available capacitance rating of any standard fire alarm cable (see data table below)

See referenced pages in the Hardware & Supplies section:

Installation Hardware

- Acme 25A or 75A Staple Gun - I-3

Suggested Prep Tool

- 721 Multi-Wire Stripper/Cutter - I-9

Performance

- Meets National Fire Alarm Code (NFPA 72) requirements for survivability
- Classified two-hour fire-rating per UL Standard for Tests for Fire Resistive Cables, UL 2196, with exposure up to 1,850°F, immediate application of water and maintenance of full utilization voltage and electrical load throughout the test
- UL Listed as NEC® Type FPL Fire Alarm Cable per UL Standard #1424 and UL Listed as NEC® Type NPLF per UL Standard #1425
- Electrical Circuit Protective System (FHIT) #24 of the UL Fire Resistance Directory

Unshielded — Dual UL Listing: NEC Type FPLR-CIC and NEC Type NPLF

Copper AWG Size STRAND	No. of Conductors	Overall Diameter		Weight		Nominal Capacitance		DC Resistance (ohms/M-ft)
		inch	mm	lbs/M-ft	kg/km	pf/ft	pf/m	
8 - solid	2	.33	8.4	53	79	15	48	6.5
18 - solid	4	.37	9.4	76	113	15	48	6.5
18 - solid	6	.43	10.9	104	155	15	48	6.5
18 - solid	8	.51	13.0	136	202	15	48	6.5
16 - solid	2	.33	8.4	62	92	17	56	4.1
16 - solid	4	.40	10.2	94	140	17	56	4.1

Strand sizes 14 and 12 also available.

Shielded Overall — Dual UL Listing: NEC Type FPLR-CIC and NEC Type NPLF

Copper AWG Size STRAND	No. of Conductors	Overall Diameter		Weight		Nominal Capacitance		DC Resistance (ohms/M-ft)
		inch	mm	lbs/M-ft	kg/km	pf/ft	pf/m	
8 - solid	2	.33	8.4	57	85	26	85	6.5
18 - solid	4	.38	9.7	81	121	26	85	6.5
18 - solid	6	.44	11.2	110	164	26	85	6.5
18 - solid	8	.51	13.0	142	211	26	85	6.5
16 - solid	2	.35	8.9	66	98	30	98	4.1
16 - solid	4	.40	10.2	99	147	30	98	4.1

Strand sizes 14 and 12 also available.