

CI 2-Hour Fire-Rated

Survivability Achieved With Code-Recognized Cable and Installation Practices

Qualified to UL 2196 - “Standard for Tests for Fire Resistive Cables” which includes a two-hour fire exposure (accepted as representing an intense, fully-developed fire within a building), water exposure and several electrical tests and monitoring to assure its circuit integrity performance. All of this in a robust, non-armored fire alarm cable that is flexible, easy to install and requires no special procedures to meet code requirements.

Features & Benefits

- Recognized two-hour fire-rating
- UL Listed as Type FPLR-CI
- Considerable economic savings over other recognized fire rating methods
- No special procedures to meet code requirements
- Robust, flexible construction provides ease of installation
- Lowest available capacitance rating of any standard fire alarm cable

Performance

- Meets National Fire Alarm Code (NFPA 72) requirements for survivability
- UL Standard 1424 *Cables for Power-Limited Fire Alarm Circuits*
- UL Standard 2196 *Standard for Tests for Fire Resistive Cables*
- UL Standard 1666 *Test for flame propagation height of electrical ... cables installed vertically in shafts*



Unshielded — UL Listing: NEC Type FPLR-CI

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	
18 - solid	2	.330	8.4	54	80	15	48	6.7
18 - solid	4	.375	9.5	78	116	15	48	6.7
18 - solid	6	.435	11.0	107	159	15	48	6.7
18 - solid	8	.510	13.0	140	208	15	48	6.7
16 - solid	2	.350	8.9	64	95	17	56	4.2
16 - solid	4	.400	10.2	96	143	17	56	4.2
14 - 7 str	2	.390	9.9	82	122	19	62	2.6
14 - 7 str	4	.445	11.3	127	189	19	62	2.6
12 - 7 str	2	.425	10.8	104	155	21	69	1.7
12 - 7 str	4	.490	12.4	170	253	21	69	1.7

Shielded Overall — UL Listing: NEC Type FPLR-CI

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	
18 - solid	2	.310	7.9	54	80	26	85	6.7
18 - solid	4	.355	9.0	77	115	26	85	6.7
18 - solid	6	.415	10.5	106	158	26	85	6.7
18 - solid	8	.490	12.4	139	207	26	85	6.7
16 - solid	2	.330	8.4	63	94	30	98	4.2
16 - solid	4	.375	9.5	96	143	30	98	4.2
14 - 7 str	2	.370	9.4	81	121	36	118	2.6
14 - 7 str	4	.425	10.8	126	188	36	118	2.6
12 - 7 str	2	.405	10.3	103	153	42	138	1.7
12 - 7 str	4	.470	11.9	168	250	42	138	1.7

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