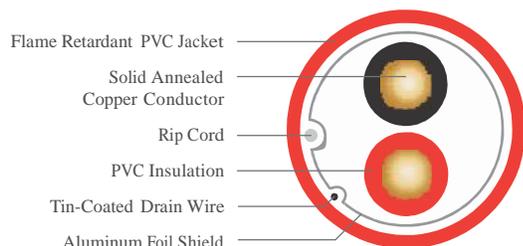


## fire Alarm, Shielded

Power Limited, Riser/Plenum



### Specifications

Conductor Count	Available with 2 through 6 conductors
Conductor	Fully annealed, solid bare copper
AWG (mm)	Available in 12 (2.05) through 22 (0.64)
Insulation	PVC
Insulation Colors	Conductor 1: Black Conductor 2: Red Conductor 3: Brown Conductor 4: Blue Conductor 5: Orange Conductor 6: Yellow Conductor 7: Violet Conductor 8: Gray
Shield	1-mil overall aluminum polyester foil shield with 24 AWG (0.51 mm) solid tinned copper drain wire
Jacket	Riser: Sunlight Resistant, Flame Retardant (FR) PVC Plenum: FR PVC
Package	Black, ribbed, plastic recyclable spool, Reel-in-a-Box or wood reel
Performance Compliance	ASTM B-3 NEC Article 760 NEC Article 725 NEC Article 800 UL 1424 FPLR/FPLP UL 13 CL3R/CL3P UL 444 CMR/CMP* UL 1666 NFPA 262 California State Fire Marshall RoHS-compliant
NRTL Programs	UL Listed CMR, CL3R, FPLR UL Listed CMP, CL3P, FPLP

\*CMR/CMP listing does not apply to 12 AWG and 14 AWG Superior Essex Fire Alarm cables.

### Environmental Specifications

	Celsius	Fahrenheit
Operation	-20°C to +75°C	-4°F to 167°F
Installation	0°C to +65°C	32°F to 149°F

### Product Description

Fire Alarm cables are used for a variety of life safety devices, and are required to comply with many codes and standards. Grupo Matel has grouped its fire alarm cable products into just two categories for simplicity: riser and plenum. All riser listed fire alarm cables provide full compliance to NEC Article 760, NEC Article 725, FPLR and CL3R. All plenum listed fire alarm cables provide compliance to NEC Article 760, NEC Article 725, FPLP and CL3P. These cables are offered in a wide range of conductor counts and gauges. All cables are power limited rated for 300V.

This cable series also features two popular time saving features from Superior Essex: CableID® and QuickCount®.

### Applications

- Smoke detectors
- Alarm notification
- Strobes
- Sirens
- Pull stations
- Microprocessors
- Addressable control systems
- Circuits controlled and powered by the fire alarm system
- Sprinkler and sprinkler supervisory systems

### Features

- Red color jacket (standard)
- Non-plenum, riser rated
- Plenum rated
- Sunlight resistant, riser jacket
- Jacket rip cord
- CableID alpha numeric code printed every 2 feet
- QuickCount marking system in feet and meters
- Black, plastic recyclable spool packaging (standard)
- Shielded

### Benefits

- Identified as universal fire alarm cable
- Simplifies selection with multiple listings (FPL, FPLR, CL3R and CMR\*)
- Simplifies selection with multiple listings (FPLP, CL3P and CMP\*)
- Withstands direct sunlight exposure
- Easy to open; saves cable preparation time
- Allows both ends of a cable run to be easily identifiable without the need to separately label or tone the cable
- Saves on installation time
- Provides remaining length of cable on spool resulting in less scrap
- Rugged, robust and easy to handle
- Electromagnetic Interference (EMI) protection

**Part Numbers and Physical Characteristics**

Listing	Part Number <sup>1</sup>	Conductor Count	AWG (mm)	Jacket Color	Nominal Diameter in (mm)	Approx. Weight lbs/kft (kg/km)
FPLR/CL3R	12F-41x-921	2	12 (2.05)	Red	0.24 (6.1)	51 (76)
FPLR/CL3R	12F-31x-921	2	14 (1.63)	Red	0.21 (5.3)	36 (54)
FPLR/CL3R	12F-32x-921	3	14 (1.63)	Red	0.22 (5.7)	49 (22)
FPLR/CL3R	12F-33x-921	4	14 (1.63)	Red	0.24 (6.1)	65 (97)
FPLR/CL3R/CMR	12F-21x-921	2	16 (1.29)	Red	0.18 (4.6)	25 (37)
FPLR/CL3R/CMR	12F-22x-921	3	16 (1.29)	Red	0.19 (4.9)	35 (15)
FPLR/CL3R/CMR	12F-23x-921	4	16 (1.29)	Red	0.21 (5.3)	44 (65)
FPLR/CL3R/CMR	12F-11x-921	2	18 (1.02)	Red	0.16 (4.1)	18 (27)
FPLR/CL3R/CMR	12F-12x-921	3	18 (1.02)	Red	0.17 (4.3)	25 (11)
FPLR/CL3R/CMR	12F-13x-921	4	18 (1.02)	Red	0.18 (4.6)	31 (46)
FPLR/CL3R/CMR	12F-14x-921	6	18 (1.02)	Red	0.22 (5.6)	44 (65)
FPLR/CL3R/CMR	12F-51x-921	2	22 (0.64)	Red	0.13 (3.3)	10 (15)
FPLR/CL3R/CMR	12F-52x-921	3	22 (0.64)	Red	0.14 (3.5)	13 (5)
FPLR/CL3R/CMR	12F-53x-921	4	22 (0.64)	Red	0.15 (3.8)	16 (24)
FPLP/CL3P	12F-41x-941	2	12 (2.05)	Red	0.24 (6.1)	53 (79)
FPLP/CL3P	12F-42x-941	3	12 (2.05)	Red	0.26 (6.5)	76 (34)
FPLP/CL3P	12F-31x-941	2	14 (1.63)	Red	0.21 (5.3)	36 (54)
FPLP/CL3P	12F-32x-941	3	14 (1.63)	Red	0.22 (5.7)	50 (22)
FPLP/CL3P	12F-33x-941	4	14 (1.63)	Red	0.24 (6.1)	66 (98)
FPLP/CL3P/CMP	12F-21x-941	2	16 (1.29)	Red	0.18 (4.6)	26 (39)
FPLP/CL3P/CMP	12F-22x-941	3	16 (1.29)	Red	0.19 (4.9)	35 (15)
FPLP/CL3P/CMP	12F-23x-941	4	16 (1.29)	Red	0.21 (5.3)	45 (67)
FPLP/CL3P/CMP	12F-11x-941	2	18 (1.02)	Red	0.16 (4.1)	19 (28)
FPLP/CL3P/CMP	12F-12x-941	3	18 (1.02)	Red	0.17 (4.3)	25 (11)
FPLP/CL3P/CMP	12F-13x-941	4	18 (1.02)	Red	0.18 (4.6)	32 (48)
FPLP/CL3P/CMP	12F-14x-941	6	18 (1.02)	Red	0.22 (5.6)	45 (67)
FPLP/CL3P/CMP	12F-51x-941	2	22 (0.64)	Red	0.13 (3.3)	11 (16)
FPLP/CL3P/CMP	12F-52x-941	3	22 (0.64)	Red	0.14 (3.5)	13 (5)
FPLP/CL3P/CMP	12F-53x-941	4	22 (0.64)	Red	0.15 (3.8)	17 (25)

	1,000'	500'	1,000'	500'	1,000'
<sup>1</sup> Replace "x" with:	2	3	4	5	6

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