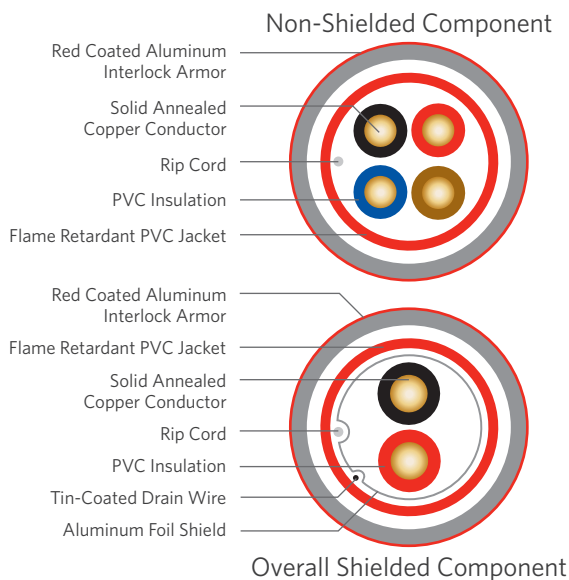


# Interlock Armored

Fire Alarm Riser



## PRODUCT DESCRIPTION

Superior Essex has a full line of fire alarm riser rated cables with red interlocked aluminum armor. The addition of aluminum interlock armor over the red jacketed fire alarm cable provides significant mechanical protection and installation savings; adding the interlock armor eliminates the requirement for rigid, expensive pipes or conduits. These cables are available in both shielded and non-shielded versions with a wide range of conductor counts and gauges. The fire alarm cables with interlock armor can be used for a variety of life safety devices such as sirens, smoke detectors, and control systems. Together the cable and the interlocking armor provide multiple compliance levels, including NEC Article 760 (FPLR), NEC Article 725 (CL3R), and NEC Article 800 (CMR). All fire alarm cables are power limited rated for 300V. Each individual cable is retested after adding the interlock armoring to ensure all applicable industry requirements are met.

## 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 aluminum interlock armor
- Installed directly from reel
- 50% cost savings
- Aluminum interlock armor can be removed

## BENEFITS

- Protects against mechanical stress and EMI/RFI for ensured and reliable performance
- Faster installation; fewer tools/equipment and less labor is required
- Saves labor and installation time; rigid conduit and pipes not necessary; finish job faster
- Maintains the fire rating even after interlock armor is removed

## SPECIFICATIONS

Overall Cable Configuration	Single component cable surrounded by red aluminum interlock armor
Component Jacket	Red, Flame Retardant PVC
Armor	Red, interlocked aluminum
Performance Compliance	NEC Article 760 NEC Article 725 NEC Article 800 UL 1424 FPLR UL 13 CL3R UL 444 CMR* UL 1666 UL 1569, Sections 19 and 23 California State Fire Marshall RoHS-compliant
NRTL Programs	UL Listed FPLR, CL3R, CMR

\*CMR 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

**PART NUMBERS AND PHYSICAL CHARACTERISTICS**

Listing	Part Number	Conductor Count	AWG (mm)	Nominal Diameter in (mm)	Approx. Weight lbs/kft (kg/km)	Package
<b>Non-Shielded Component</b>						
FPLR/CL3R	K2F-419-91	2	12 (2.05)	0.50 (12.7)	83 (124)	1,000' Wood reel
FPLR/CL3R	K2F-429-91	3	12 (2.05)	0.50 (12.7)	107 (159)	1,000' Wood reel
FPLR/CL3R	K2F-319-91	2	14 (1.63)	0.50 (12.7)	67 (100)	1,000' Wood reel
FPLR/CL3R	K2F-329-91	3	14 (1.63)	0.50 (12.7)	80 (119)	1,000' Wood reel
FPLR/CL3R	K2F-339-91	4	14 (1.63)	0.50 (12.7)	100 (149)	1,000' Wood reel
FPLR/CL3R/CMR	K2F-219-91	2	16 (1.29)	0.50 (12.7)	57 (85)	1,000' Wood reel
FPLR/CL3R/CMR	K2F-229-91	3	16 (1.29)	0.50 (12.7)	66 (98)	1,000' Wood reel
FPLR/CL3R/CMR	K2F-239-91	4	16 (1.29)	0.50 (12.7)	76 (113)	1,000' Wood reel
FPLR/CL3R/CMR	K2F-119-91	2	18 (1.02)	0.50 (12.7)	50 (74)	1,000' Wood reel
FPLR/CL3R/CMR	K2F-129-91	3	18 (1.02)	0.50 (12.7)	56 (83)	1,000' Wood reel
FPLR/CL3R/CMR	K2F-139-91	4	18 (1.02)	0.50 (12.7)	63 (94)	1,000' Wood reel
FPLR/CL3R/CMR	K2F-519-91	2	22 (0.64)	0.50 (12.7)	42 (63)	1,000' Wood reel
FPLR/CL3R/CMR	K2F-529-91	3	22 (0.64)	0.50 (12.7)	44 (66)	1,000' Wood reel
FPLR/CL3R/CMR	K2F-539-91	4	22 (0.64)	0.50 (12.7)	48 (71)	1,000' Wood reel
<b>Overall Shielded Component</b>						
FPLR/CL3R	K2F-419-92	2	12 (2.05)	0.50 (12.7)	85 (127)	1,000' Wood reel
FPLR/CL3R	K2F-319-92	2	14 (1.63)	0.50 (12.7)	70 (104)	1,000' Wood reel
FPLR/CL3R	K2F-329-92	3	14 (1.63)	0.50 (12.7)	83 (124)	1,000' Wood reel
FPLR/CL3R	K2F-339-92	4	14 (1.63)	0.50 (12.7)	99 (147)	1,000' Wood reel
FPLR/CL3R/CMR	K2F-219-92	2	16 (1.29)	0.50 (12.7)	59 (88)	1,000' Wood reel
FPLR/CL3R/CMR	K2F-229-92	3	16 (1.29)	0.50 (12.7)	69 (103)	1,000' Wood reel
FPLR/CL3R/CMR	K2F-239-92	4	16 (1.29)	0.50 (12.7)	78 (116)	1,000' Wood reel
FPLR/CL3R/CMR	K2F-119-92	2	18 (1.02)	0.50 (12.7)	52 (77)	1,000' Wood reel
FPLR/CL3R/CMR	K2F-129-92	3	18 (1.02)	0.50 (12.7)	59 (88)	1,000' Wood reel
FPLR/CL3R/CMR	K2F-139-92	4	18 (1.02)	0.50 (12.7)	65 (97)	1,000' Wood reel
FPLR/CL3R/CMR	K2F-519-92	2	22 (0.64)	0.50 (12.7)	44 (66)	1,000' Wood reel
FPLR/CL3R/CMR	K2F-529-92	3	22 (0.64)	0.50 (12.7)	47 (70)	1,000' Wood reel
FPLR/CL3R/CMR	K2F-539-92	4	22 (0.64)	0.50 (12.7)	50 (74)	1,000' Wood reel

*Additional cable combinations are available. Other color sequences available upon request.*