

Circuit Integrity (CI) Safe-T-Line® Cable

Commercial Applications, Addressable Systems
Unshielded, Riser-Rated

**Unshielded Multi-conductor**

FPLR-CI Rated

Product Description

Solid bare copper conductors, ceramifiable silicone rubber insulation, Red FRPE (Low-Smoke, Non-Halogen) jacket. Sequential footage marking every two feet.

Color Code: Black, Red. (see note)

Specifications

Conductor	Bare Copper
Insulation	Silicone Rubber
Shield	Unshielded
Jacket	FRPE
Jacket Thickness	.045" (1.143mm)
Approvals	NEC California State Fire Marshall
NEC Articles	760
Voltage Rating	300V
Temperature Rating	105°C
Nominal Capacitance	
18 AWG	17 pF/ft.
16 AWG	19 pF/ft.
14 AWG	21 pF/ft.
12 AWG	23 pF/ft.

Note: 2-conductor versions are color-coded black and red.
4 or more conductor versions are all black and numbered.

Applications

- Circuit Integrity
- Fire Alarm Circuit Integrity
- Survivability
- Survivability from Attack by Fire



Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Insulation Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm

Unshielded Multi-conductor (NEC FPLR-CI)

18 AWG										
5320UM <small>NEW</small>	2	solid	1000	305	47.0	21.3	.034	.86	.31	7.87
5322UM <small>NEW</small>	4	solid	1000	305	73.0	33.1	.034	.86	.35	8.89
5324UM <small>NEW</small>	6	solid	1000	305	100.0	45.4	.034	.86	.42	10.67
5326UM <small>NEW</small>	8	solid	1000	305	123.0	55.8	.034	.86	.45	11.43
16 AWG										
5220UM <small>NEW</small>	2	solid	1000	305	59.0	26.8	.034	.86	.33	8.38
5222UM <small>NEW</small>	4	solid	1000	305	97.0	44.0	.034	.86	.38	9.65
14 AWG										
5120UM <small>NEW</small>	2	solid	1000	305	73.0	33.1	.034	.86	.36	9.14
5122UM <small>NEW</small>	4	solid	1000	305	123.0	55.8	.034	.86	.41	10.41
12 AWG										
5020UM <small>NEW</small>	2	solid	1000	305	96.0	43.6	.034	.86	.39	9.91
5022UM <small>NEW</small>	4	solid	1000	305	167.0	75.8	.034	.86	.45	11.43

FRPE = Flame-retardant Polyethylene

Circuit Integrity (CI) Safe-T-Line® Cable

Commercial Applications, Addressable Systems
Shielded, Riser-Rated

**Shielded Multi-conductor**

FPLR-CI Rated

Product Description

Bare copper conductors, ceramifiable silicone rubber insulation, Beldfoil® shield (100% coverage), Red FRPE (Low-Smoke, Non-Halogen) jacket, drain wire. Sequential footage marking every two feet.

Color Code: Black, Red.

Specifications

Conductor	Bare Copper
Insulation	Silicone Rubber
Shield	Beldfoil
Jacket	FRPE
Jacket Thickness	.045" (1.143mm)
Approvals	FPLR-CI
NEC	
California State Fire Marshall	
NEC Articles	760
Voltage Rating	300V
Temperature Rating	105°C
Nominal Capacitance	
18 AWG	27 pF/ft.
16 AWG	31 pF/ft.
14 AWG	33 pF/ft.
12 AWG	37 pF/ft.*
	40 pF/ft.**

* 5020FM and 5022FM

** 5000FM and 5002FM

Note: 2-conductor versions are color-coded black and red.
4 or more conductor versions are all black and numbered.

Applications

- Circuit Integrity
- Fire Alarm Circuit Integrity
- Survivability
- Survivability from Attack by Fire



Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Insulation Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm

Shielded Multi-conductor (NEC FPLR-CI)

18 AWG										
5320FM <small>NEW</small>	2	solid	1000	305	50.0	22.7	.034	.86	.31	7.87
5322FM <small>NEW</small>	4	solid	1000	305	78.0	35.4	.034	.86	.36	9.14
5324FM <small>NEW</small>	6	solid	1000	305	106.0	48.1	.034	.86	.42	10.67
5326FM <small>NEW</small>	8	solid	1000	305	129.0	58.5	.034	.86	.46	11.61
5300FM <small>NEW</small>	2	(7x26)	1000	305	57.0	25.9	.034	.86	.32	8.13
5302FM <small>NEW</small>	4	(7x26)	1000	305	103.0	46.7	.034	.86	.37	9.40
5304FM <small>NEW</small>	6	(7x26)	1000	305	122.0	55.3	.034	.86	.44	11.18
5306FM <small>NEW</small>	8	(7x26)	1000	305	148.0	67.1	.034	.86	.47	11.94
16 AWG										
5220FM <small>NEW</small>	2	solid	1000	305	66.0	29.9	.034	.86	.33	8.38
5222FM <small>NEW</small>	4	solid	1000	305	103.0	46.7	.034	.86	.38	9.65
5200FM <small>NEW</small>	2	(7x24)	1000	305	71.0	32.2	.034	.86	.35	8.89
5202FM <small>NEW</small>	4	(7x24)	1000	305	112.0	50.8	.034	.86	.40	10.16
14 AWG										
5120FM <small>NEW</small>	2	solid	1000	305	84.0	38.1	.034	.86	.36	9.14
5122FM <small>NEW</small>	4	solid	1000	305	133.0	60.3	.034	.86	.41	10.41
5100FM <small>NEW</small>	2	(7x22)	1000	305	93.0	42.2	.034	.86	.38	9.65
5102FM <small>NEW</small>	4	(7x22)	1000	305	149.0	67.6	.034	.86	.44	11.18
12 AWG										
5020FM <small>NEW</small>	2	solid	1000	305	112.0	50.8	.034	.86	.39	9.91
5022FM <small>NEW</small>	4	solid	1000	305	183.0	83.0	.034	.86	.46	11.68
5000FM <small>NEW</small>	2	(7x20)	1000	305	117.0	53.1	.034	.86	.42	10.67
5002FM <small>NEW</small>	4	(7x20)	1000	305	189.0	85.7	.034	.86	.48	12.19

FRPE = Flame-retardant Polyethylene