

Circuit Integrity in Conduit (CIC) Safe-T-Line® Cable

Commercial Applications, Addressable Systems
Unshielded, Riser-Rated

**Unshielded Multi-conductor**

FPLR-CIC Rated

Product Description

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

Color Code: Black, Red.

Specifications

Conductor	Bare Copper
Insulation	Silicone Rubber
Shield	Unshielded
Jacket	FRPE
Jacket Thickness	.035" (.889mm)
Approvals	
NEC	FPLR-CIC
NEC Articles	760
Voltage Rating	300V
Temperature Rating	105°C

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

Stranded**Solid**

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

Unshielded Multi-conductor (NEC FPLR-CIC)

16 AWG										
5200UZ <small>NEW</small>	2	7	1000	305	68.0	30.9	.056	1.42	.37	9.40
5220UZ <small>NEW</small>	2	solid	1000	305	64.0	29.0	.056	1.42	.35	8.89
14 AWG										
5100UZ <small>NEW</small>	2	7	1000	305	87.0	39.5	.056	1.42	.40	10.16
5120UZ <small>NEW</small>	2	solid	1000	305	79.0	35.8	.056	1.42	.38	9.65
12 AWG										
5000UZ <small>NEW</small>	2	7	1000	305	108.0	50.0	.056	1.42	.37	9.40
5020UZ <small>NEW</small>	2	solid	1000	305	101.0	45.8	.056	1.42	.42	10.67

FRPE = Flame-retardant Polyethylene

Circuit Integrity in Conduit (CIC) Safe-T-Line® Cable

Commercial Applications, Addressable Systems

Shielded, Riser-Rated

**Shielded Multi-conductor**

FPLR-CIC Rated

Product Description

Bare copper conductors, ceramifiable silicone rubber insulation, overall Beldfoil® Shield (100% coverage), tinned copper drain wire, 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	Beldfoil
Jacket	FRPE
Jacket Thickness	.035" (.889mm)
Approvals	
NEC	FPLR-CIC
NEC Articles	760
Voltage Rating	300V
Temperature Rating	105°C

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

Stranded**Solid**

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

Shielded Multi-conductor (NEC FPLR-CIC)

16 AWG										
5200FZ <small>NEW</small>	2	7	1000	305	75.0	34.0	.056	1.42	.37	9.40
5220FZ <small>NEW</small>	2	solid	1000	305	71.0	32.2	.056	1.42	.36	9.14
5222FZ <small>NEW</small>	4	solid	1000	305	108.0	50.0	.056	1.42	.41	10.41
14 AWG										
5100FZ <small>NEW</small>	2	7	1000	305	97.0	44.0	.056	1.42	.41	10.41
5120FZ <small>NEW</small>	2	solid	1000	305	90.0	40.8	.056	1.42	.38	9.65
12 AWG										
5000FZ <small>NEW</small>	2	7	1000	305	122.0	55.3	.056	1.42	.44	11.18
5020FZ <small>NEW</small>	2	solid	1000	305	117.0	53.1	.056	1.42	.42	10.67
5022FZ <small>NEW</small>	4	solid	1000	305	187.0	84.8	.056	1.42	.48	12.19

FRPE = Flame-retardant Polyethylene

Circuit Integrity (CI) Safe-T-Line® CableCommercial 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 FPLR-CI 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