

Power Limited Fire Protective Signaling Circuit Cable Unshielded

NEC Type FPL for Microprocessor Controlled Systems

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND STRAND	NOM. INSUL. THICKNESS		NOM. JACKET THICKNESS		NOMINAL DCR OHM/Mft		
				Inches	mm	Inches	mm	COND	SHLD	Nom. Mutual Cap. pF/FT
C0471	2	18	Solid	0.014	0.36	0.020	0.51	0.182	4.62	16.50
C0485	4	18	Solid	0.014	0.36	0.020	0.51	0.205	5.21	16.50
C0473	2	16	Solid	0.016	0.41	0.020	0.51	0.206	5.23	17.50
C0486	4	16	Solid	0.016	0.41	0.020	0.51	0.241	6.12	17.50
C0491	2	14	Solid	0.018	0.46	0.020	0.51	0.240	6.10	18.00
C0492	2	12	Solid	0.020	0.51	0.020	0.51	0.282	7.16	19.00

Conductor 1 - black, 2 - red, 3 - brown, 4 - blue.



Product Construction:

Conductor:

- 18 thru 12 AWG fully annealed stranded tinned copper per ASTM B-33

Insulation:

- Premium grade color coded Polyolefin

Jacket:

- PVC, red
- Temperature Range: -20° to + 60°C
- Voltage Rating: 300 Volts

Applications:

- Addressable Fire Alarm Systems
- Fire Alarm Systems
- Voice Communications
- Smoke Detectors
- Pull Boxes

Compliances:

- UL Types FPL
- NEC Article 760
- California State Fire Marshall Approved
- Passes UL 70,000 BTU Vertical Tray Flame Test

Features:

- Red PVC jacket for easy critical circuit identification

These cable products can be cut to length, jacket removed, and conductors stripped to custom specifications.

Power Limited Fire Protective Signaling Circuit Cable NEC Type FPL

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND STRAND	NOM. OD.		Nom. Mutual Cap. pF/FT
				Inches	mm	
C24012	2	18	Solid	.105 x .217	2.66 x 5.51	26.50
C24014	2	16	Solid	.115 x .239	2.92 x 6.07	30.00
C24016	2	14	Solid	.130 x .265	3.30 x 6.73	32.00



Product Construction:

Conductor:

- 18 thru 14 AWG fully annealed solid bare copper per ASTM B-3

Insulation:

- Integral insulation and jacket

Jacket:

- PVC, red, black, or white
- Temperature Range: -20° to + 105°C
- Voltage Rating: 300 Volts

Applications:

- Fire alarms
- Smoke detectors
- Burglar alarms
- Voice communications
- Power limited circuit cable
- Critical circuit control

Features

- Sunlight resistant PVC jacket

Compliances:

- NEC Article 760-4(d) Type FPL (UL- 105°C)
- Approved: California State Fire Marshall
- Passes UL 70,000 BTU Vertical Flame Test

These cable products can be cut to length, jacket removed, and conductors stripped to custom specifications.