

Fire Alarm Cable

Commercial Applications, Addressable Systems
 Unshielded or Shielded, Power-Limited, Mid-Capacitance



Unshielded Multi-conductor

FPL Rated

Product Description

Bare copper conductors, foam high-density polyethylene insulation, cabled together, Red PVC jacket with rip cord. Sequential footage marking every two feet.

Color Code: Black, Red.

Shielded Multi-conductor

FPL Rated

Product Description

Bare copper conductors, foam high-density polyethylene insulation, cabled together, Beldfoil® shield tape (foil side out), Red PVC jacket with rip cord. Sequential footage marking every two feet.

Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	FHDPE
Shield (where applicable)	Beldfoil
Jacket	PVC
Jacket Thickness	.033" (.838mm)
Approvals	FPL
NEC	
California State Fire Marshall	
NEC Articles	760
Voltage Rating	300V
Temperature Rating	75°C
Nominal Capacitance*	
Unshielded†	13 pF/ft.
Shielded††	20–36 pF/ft.

*Capacitance between conductors.

†60% lower capacitance than cables on page 20.55

††60% lower capacitance than cables on page 20.56

Applications

- Addressable Fire Systems
- Data Circuits
- Audio Circuits
- Control Circuits
- Initiating Circuits
- Notification Circuits

Color Code Chart

Cond. No.	Color
1	Black
2	Red
3	Brown
4	Blue

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 FPL)

18 AWG										
5320UJ	2	solid	U-1000	U-305	22.0	10.0	.015	.38	.206	5.23
16 AWG										
5220UJ	2	solid	500	152	16.0	7.3	.015	.38	.230	5.84
			1000	305	32.0	14.5				

Shielded Multi-conductor (NEC FPL)

18 AWG										
5320FJ	2	solid	U-1000	U-305	27.0	12.3	.015	.38	.211	5.36
			1000	305	28.0	12.7				
5322FJ	4	solid	1000	305	43.0	19.5	.015	.38	.240	6.10
16 AWG										
5220FJ	2	solid	500	152	18.0	8.2	.015	.38	.235	5.97
			U-1000	U-305	35.0	15.9				
			1000	305	37.0	16.8				
5222FJ	4	solid	1000	305	59.0	26.8	.015	.38	.269	6.83
14 AWG										
5120FJ	2	solid	1000	305	49.0	22.3	.020	.51	.279	7.09
12 AWG										
5020FJ	2	solid	1000	305	69.0	31.3	.020	.51	.317	8.05

Unshielded



Shielded

