

Fire Alarm Cables

NPLF Systems

Non-Power-Limited Signaling Cable Unshielded and Shielded



De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm	
18 AWG • Solid 1.0 mm Bare Copper • Numbered and Color Coded • Rip Cord													
PVC/Nylon Insulation • Red PVC Jacket													
150V 75°C		NEC: NPLF					1.02 mm 18 AWG Solid BC	0.061	1.55	Unshielded			
 Rip Cord													
	5320UN	2 CDR	500 1000	152 305	14.1 31.1	6.4 14.1					0.239	6.07	Black, Red
	5322UN	4 CDR	500 1000	152 305	28.0 52.9	12.7 24.0					0.283	7.19	Black, Red, Brown, Blue
16 AWG • Solid 1.3 mm Bare Copper • Numbered and Color Coded • Rip Cord													
PVC/Nylon Insulation • Red PVC Jacket													
150V 75°C		NEC: NPLF					1.29 mm 16 AWG Solid BC	0.072	1.82	Unshielded			
 Rip Cord													
	5220UN	2 CDR	500 1000	152 305	22.0 39.9	10.0 18.1					0.262	6.65	Black, Red
	5222UN	4 CDR	1000	305	71.2	32.3					0.311	7.90	Black, Red, Brown, Blue
14 AWG • Solid 1.6 mm Bare Copper • Numbered and Color Coded • Rip Cord													
PVC/Nylon Insulation • Red PVC Jacket													
150V 75°C	5120UN	NEC: NPLF	500 1000	152 305	28.7 53.1	13.0 24.1	1.63 mm 14 AWG Solid BC	0.085	2.16	Unshielded	0.299	7.59	Black, Red
 Rip Cord													
		2 CDR											
18 AWG • Solid 1.0 mm Bare Copper • Numbered and Color Coded • Beldfoil® Shield • 20 AWG Tinned Copper Drain Wire • Rip Cord													
PVC/Nylon Insulation • Red PVC Jacket													
150V 75°C		NEC: NPLF					1.02 mm 18 AWG Solid BC	0.061	1.55	Overall Beldfoil® + Drain Wire (20 AWG TC)			
 Shorting Fold													
	5320FN	2 CDR	500 1000	152 305	15.4 35.1	7.0 15.9					0.243	6.17	Black, Red
	5322FN	4 CDR	500 1000	152 305	31.1 57.1	14.1 25.9					0.287	7.29	Black, Red, Brown, Blue

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

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De-scription	Part No.	UL NEC / C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm	
16 AWG • Solid 1.3 mm Bare Copper • Numbered and Color Coded • Beldfoil® Shield • 20 AWG Tinned Copper Drain Wire • Rip Cord													
PVC/Nylon Insulation • Red PVC Jacket													
150V 75°C		NEC: NPLF					1.29 mm 16 AWG Solid BC	0.072	1.82	Overall Beldfoil® + Drain Wire (20 AWG TC)			
<p>Shorting Fold</p>													
	5220FN	2 CDR	500 1000	152 305	23.6 45.2	10.7 20.5					0.266	6.76	Black, Red
	5222FN	4 CDR	500 1000	152 305	40.6 76.1	18.4 34.5					0.315	8.00	Black, Red, Brown, Blue
14 AWG • Solid 1.6 mm Bare Copper • Numbered and Color Coded • Beldfoil® Shield • 20 AWG Tinned Copper Drain Wire • Rip Cord													
PVC/Nylon Insulation • Red PVC Jacket													
150V 75°C		NEC: NPLF					1.63 mm 14 AWG Solid BC	0.085	2.16	Overall Beldfoil® + Drain Wire (20 AWG TC)			
<p>Shorting Fold</p>													
	5120FN	2 CDR	500 1000	152 305	32.0 61.1	14.5 27.7					0.303	7.70	Black, Red
	5122FN	4 CDR	500 1000	152 305	50.7 102.3	23.0 46.4					0.348	8.84	Black, Red, Brown, Blue
12 AWG • Solid 2.1 mm Bare Copper • Numbered and Color Coded • Beldfoil® Shield • 20 AWG Tinned Copper Drain Wire • Rip Cord													
PVC/Nylon Insulation • Red PVC Jacket													
150V 75°C	5020FN	NEC: FPL	500 1000	152 305	43.0 83.1	19.5 37.7	2.05 mm 12 AWG Solid BC	0.102	2.58	Overall Beldfoil® + Drain Wire (20 AWG TC)	0.337	8.56	Black, Red
<p>Shorting Fold</p>													
		2 CDR											

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance