

**Fire Alarm**

## Power-Limited Fire Protective Signaling Circuit Cables

Subject 1424 (NEC Article 760, Type FPLR)

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 • Conductors Cabled****PVC Insulation • Red PVC Jacket**

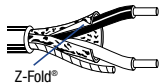
300V 105°C UL AWM Style 2464 & 1424	<b>9571</b>	NEC: MPR, FPLR CEC: FAS 105 FT4	U-500	U-152	14.6	6.6	1.02 mm	0.074	1.88	Unshielded	0.228	5.79	Black, Red
			U-1000	U-305	28.0	12.7	18 AWG Solid BC						



2 CDR

**18 AWG • Solid 1.0 mm Bare Copper • Conductors Cabled • Overall Beldfoil® Shield • 22 AWG Tinned Copper Drain Wire****PVC Insulation • Red PVC Jacket**

300V 105°C UL AWM Style 2464 & 1424		NEC: MPR, FPLR CEC: FAS 105 FT4					1.02 mm	0.074	1.88	Overall Beldfoil® + Drain Wire (22 AWG TC)			
							18 AWG Solid BC						



Z-Fold®

<b>9574</b>	2 CDR	U-500	U-152	16.1	7.3						0.231	5.87	Black, Red
		U-1000	U-305	31.1	14.1								
<b>9578</b>	4 CDR	U-500	U-152	25.6	11.6						0.263	6.68	Black, Red, Yellow, Light Blue
		1000	305	51.1	23.2								

**16 AWG • Solid 1.3 mm Bare Copper • Conductors Cabled****PVC Insulation • Red PVC Jacket**

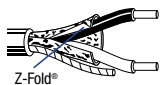
300V 105°C UL AWM Style 2464 & 1424	<b>9572</b>	NEC: MPR, FPLR CEC: FAS 105 FT4	U-500	U-152	18.1	8.2	1.29 mm	0.087	2.21	Unshielded	0.250	6.35	Black, Red
			U-1000	U-305	35.1	15.9	16 AWG Solid BC						



2 CDR

**16 AWG • Solid 1.3 mm Bare Copper • Conductors Cabled • Overall Beldfoil® Shield • 22 AWG Tinned Copper Drain Wire****PVC Insulation • Red PVC Jacket**

300V 105°C UL AWM Style 2464 & 1424		NEC: MPR, FPLR CEC: FAS 105 FT4					1.29 mm	0.087	2.21	Overall Beldfoil® + Drain Wire (22 AWG TC)			
							16 AWG Solid BC						



Z-Fold®

<b>9575</b>	2 CDR	U-500	U-152	20.1	9.1						0.253	6.43	Black, Red
		U-1000	U-305	39.0	17.7								
<b>9579</b>	4 CDR	U-500	U-152	35.5	16.1						0.301	7.65	Black, Red, Yellow, Light Blue
		1000	305	72.1	32.7								

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

**Fire Alarm**

Power-Limited Fire Protective Signaling Circuit Cables

Subject 1424 (NEC Article 760, Type FPLR)

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	

**14 AWG • Solid 1.6 mm Bare Copper • Conductors Cabled**

**PVC Insulation • Red PVC Jacket**

300V 105°C UL Style 1424	<b>9580</b>	NEC: FPLR CEC: FAS 105 FT4	U-500 1000	U-152 305	27.1 54.0	12.3 24.5	1.63 mm 14 AWG Solid BC	0.108	2.75	Unshielded	0.306	7.77	Black, Red
-----------------------------	-------------	-------------------------------------	---------------	--------------	--------------	--------------	-------------------------------	-------	------	------------	-------	------	------------



2 CDR

**14 AWG • Solid 1.6 mm Bare Copper • Conductors Cabled • Overall Beldfoil® Shield • 16 AWG Tinned Copper Drain Wire**

**PVC Insulation • Red PVC Jacket**

300V 105°C UL Style 1424	<b>9581</b>	NEC: FPLR CEC: FAS 105 FT4	U-500 1000	U-152 305	32.4 65.0	14.7 29.5	1.63 mm 14 AWG Solid BC	0.108	2.75	Overall Beldfoil® + Drain Wire (16 AWG TC)	0.306	7.77	Black, Red
-----------------------------	-------------	-------------------------------------	---------------	--------------	--------------	--------------	-------------------------------	-------	------	-----------------------------------------------------	-------	------	------------



2 CDR

**12 AWG • Solid 2.1 mm Bare Copper • Conductors Cabled**

**PVC Insulation • Red PVC Jacket**

300V 105°C UL Style 1424	<b>9582</b>	NEC: FPLR CEC: FAS 105 FT4	1000	305	75.2	34.1	2.05 mm 12 AWG Solid BC	0.125	3.17	Unshielded	0.340	8.64	Black, Red
-----------------------------	-------------	-------------------------------------	------	-----	------	------	-------------------------------	-------	------	------------	-------	------	------------



2 CDR

**12 AWG • Solid 2.1 mm Bare Copper • Conductors Cabled • Overall Beldfoil® Shield • 16 AWG Tinned Copper Drain Wire**

**PVC Insulation • Red PVC Jacket**

300V 105°C UL Style 1424	<b>9583</b>	NEC: FPLR CEC: FAS 105 FT4	1000	305	85.1	38.6	2.05 mm 12 AWG Solid BC	0.125	3.17	Overall Beldfoil® + Drain Wire (16 AWG TC)	0.343	8.71	Black, Red
-----------------------------	-------------	-------------------------------------	------	-----	------	------	-------------------------------	-------	------	-----------------------------------------------------	-------	------	------------



2 CDR

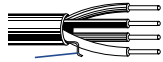
TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

**Fire Alarm Cables**Commercial Applications  
Power-Limited Unshielded

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	

**22 AWG • Solid 0.6 mm Bare Copper • Numbered and Color Coded • Rip Cord****PVC Insulation • Red PVC Jacket**

300V 75°C	NEC: FPLR CEC: CMG FT4						0.64 mm 22 AWG Solid BC	0.035	0.89	Unshielded		see chart below
--------------	---------------------------------	--	--	--	--	--	-------------------------------	-------	------	------------	--	-----------------



Rip Cord

Part No.	Conductors	UL NEC	UL CEC	Length (ft)	Length (m)	Weight (lbs)	Weight (kg)	Insulation OD (inch)	Insulation OD (mm)	Nominal OD (inch)	Nominal OD (mm)
5522UL	4 CDR	C-500	C-152	1000	305	7.1	3.2			0.125	3.18
				1000	305	16.1	7.3				
				1000	305	16.1	7.3				
5542UL	6 CDR	C-500	C-152	1000	305	10.1	4.6			0.168	4.27
				1000	305	20.9	9.5				

**18 AWG • Solid 1.0 mm Bare Copper • Numbered and Color Coded • Rip Cord****PVC Insulation • Red PVC Jacket**

300V 75°C	NEC: FPLR CEC: CMG FT4						1.02 mm 18 AWG Solid BC	0.050	1.27	Unshielded		see chart below
--------------	---------------------------------	--	--	--	--	--	-------------------------------	-------	------	------------	--	-----------------



Rip Cord

Part No.	Conductors	UL NEC	UL CEC	Length (ft)	Length (m)	Weight (lbs)	Weight (kg)	Insulation OD (inch)	Insulation OD (mm)	Nominal OD (inch)	Nominal OD (mm)
5320UL	2 CDR	C-500	C-152	1000	305	7.9	3.6			0.151	3.84
				1000	305	9.0	4.1				
				1000	305	9.0	4.1				
				1000	305	18.1	8.2				
5322UL	4 CDR	C-250	C-76	1000	305	7.1	3.2			0.176	4.47
				1000	305	13.2	6.0				
				1000	305	15.4	7.0				
				1000	305	30.0	13.6				
				1000	305	30.0	13.6				
5324UL	6 CDR	C-500	C-152	1000	305	23.6	10.7			0.212	5.38
				1000	305	43.0	19.5				
				1000	305	44.1	20.0				
5326UL	8 CDR	C-1000	C-305	1000	305	61.1	27.7			0.230	5.84
5328UL	10 CDR	C-1000	C-305	1000	305	71.2	32.3			0.272	6.91
5329UL	12 CDR	C-1000	C-305	1000	305	83.1	37.7			0.281	7.14

BC = Bare Copper • DCR = DC resistance

**Color Code**

Cond. No.	Color	Cond. No.	Color	Cond. No.	Color	Cond. No.	Color
1	Black	4	Blue	7	Purple	10	Red/White
2	Red	5	Orange	8	Green	11	Red/Green
3	Brown	6	Yellow	9	Red/Black	12	Red/Blue

## Fire Alarm Cables

Commercial Applications  
Power-Limited Unshielded

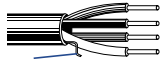


De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm	

**22 AWG** • Solid 0.6 mm Bare Copper • Numbered and Color Coded • Rip Cord

**Polyethylene Insulation • Red FRNC/LSNH Jacket**

300V 75°C	IEC 60754-2						1.02 mm 18 AWG Solid BC	0.068	1.72	Unshielded		see chart below	
--------------	-------------	--	--	--	--	--	-------------------------------	-------	------	------------	--	-----------------	--



Rip Cord

Part No.	Conductor	Length (ft.)	Length (m)	Weight (lbs.)	Weight (kg)	Insulation OD (inch)	Insulation OD (mm)
4322UL	4 CDR	328	100	9.3	4.2	0.177	4.50
		1640	500	46.3	21.0		
4324UL	6 CDR	328	100	13.0	5.9	0.213	5.40
		1640	500	65.0	29.5		

BC = Bare Copper • DCR = DC resistance

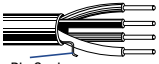

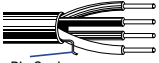
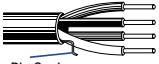
### Color Code

Cond. No.	Color	Cond. No.	Color
1	Black	4	Blue
2	Red	5	Orange
3	Brown	6	Yellow

**Fire Alarm Cables**

Commercial Applications  
Power-Limited Unshielded



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	
<b>16 AWG • Solid 1.3 mm Bare Copper • Numbered and Color Coded • Rip Cord</b>													
<b>PVC Insulation • Red PVC Jacket</b>													
300V 75°C		NEC: FPLR CEC: CMG FT4					1.29 mm 16 AWG Solid BC	0.061	1.54	Unshielded			
													
	<b>5220UL</b>	2 CDR	500 U-1000 1000	152 U-305 305	13.0 24.0 25.1	5.9 10.9 11.4					0.174	4.42	Black, Red
	<b>5222UL</b>	4 CDR	1000	305	45.0	20.4					0.204	5.18	Black, Red, Brown, Blue
<b>Polyethylene Insulation • Red FRNC / LSNH Jacket</b>													
300V 70°C		IEC 60754-2					1.29 mm 16 AWG Solid BC	0.077	1.95	Unshielded			
													
	<b>4220UL</b>	2 CDR	328 1640	100 500	7.7 38.4	3.5 17.4					0.173	4.40	Black, Red
	<b>4222UL</b>	4 CDR	1640	500	67.7	30.7					0.201	5.10	Black, Red, Brown, Blue
<b>14 AWG • Solid 1.6 mm Bare Copper • Numbered and Color Coded • Rip Cord</b>													
<b>PVC Insulation • Red PVC Jacket</b>													
300V 75°C		NEC: FPLR CEC: CMG FT4					1.63 mm 14 AWG Solid BC	0.077	1.96	Unshielded			
													
	<b>5120UL</b>	2 CDR	500 1000	152 305	19.0 38.1	8.6 17.3					0.213	5.41	Black, Red
	<b>5122UL</b>	4 CDR	1000	305	70.1	31.8					0.251	6.38	Black, Red, Brown, Blue
<b>Polyethylene Insulation • Red FRNC / LSNH Jacket</b>													
300V 70°C		IEC 60754-2					1.63 mm 14 AWG Solid BC	0.085	2.15	Unshielded			
													
	<b>4120UL</b>	2 CDR	328 1640	100 500	11.2 56.0	5.1 25.4					0.213	5.40	Black, Red
	<b>4122UL</b>	4 CDR	328 1640	100 500	19.8 99.9	9.0 45.3					0.252	6.40	Black, Red, Brown, Blue

BC = Bare Copper • DCR = DC resistance

## Fire Alarm Cables

Commercial Applications  
Power-Limited Unshielded

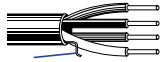


De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm	

**12 AWG • Solid 2.1 mm Bare Copper • Numbered and Color Coded • Rip Cord**

**PVC Insulation • Red PVC Jacket**

300V 75°C	<b>5020UL</b>	NEC: FPLR CEC: CMG FT4	1000	305	55.1	25.0	2.05 mm 12 AWG Solid BC	0.094	2.38	Unshielded	0.247	6.27	Black, Red
--------------	---------------	---------------------------------	------	-----	------	------	-------------------------------	-------	------	------------	-------	------	------------

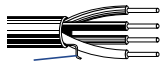


Rip Cord

2 CDR

**Polyethylene Insulation • Red FRNC/LSNH Jacket**

300V 70°C	<b>4020UL</b>	IEC 60754-2	1640	500	85.3	38.7	2.05 mm 12 AWG Solid BC	0.107	2.72	Unshielded	0.248	6.30	Black, Red
--------------	---------------	----------------	------	-----	------	------	-------------------------------	-------	------	------------	-------	------	------------



Rip Cord

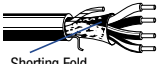


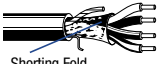

2 CDR

BC = Bare Copper • DCR = DC resistance

**Fire Alarm Cables**

Commercial Applications  
Power-Limited 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	
<b>22 AWG • Solid 0.6 mm Bare Copper • Beldfoil® Shield • 24 AWG Tinned Copper Drain Wire • Numbered and Color Coded • Rip Cord</b>													
<b>PVC Insulation • Red PVC Jacket</b>													
300V 75°C	<b>5522FL</b>	NEC: FPLR CEC: CMG FT4	C-500 U-1000 1000	C-152 U-305 305	9.0 19.0 19.0	4.1 8.6 8.6	0.64 mm 22 AWG Solid BC	0.035	0.89	Overall Beldfoil® + Drain Wire (24 AWG TC)	0.145	3.68	Black, Red, Brown, Blue
 <p>Shorting Fold 4 CDR</p>													
<b>18 AWG • Solid 1.0 mm Bare Copper • Beldfoil® Shield • 24 AWG Tinned Copper Drain Wire • Numbered and Color Coded • Rip Cord</b>													
<b>PVC Insulation • Red PVC Jacket</b>													
300V 75°C		NEC: FPLR CEC: CMG FT4					1.02 mm 18 AWG Solid BC	0.050	1.27	Overall Beldfoil® + Drain Wire (24 AWG TC)			
 <p>Shorting Fold</p>													
	<b>5320FL</b>	2 CDR	C-500 U-500 500 U-1000 1000	C-152 U-152 152 U-305 305	10.6 11.5 11.5 22.0 22.0	4.8 5.2 5.2 10.0 10.0					0.155	3.94	Black, Red
	<b>5322FL</b>	4 CDR	C-500 500 U-1000 1000	C-152 152 U-305 305	15.4 16.5 32.0 34.0	7.0 7.5 14.5 15.4					0.170	4.32	Black, Red, Brown, Blue
<b>Polyethylene Insulation • Red FRNC / LSNH Jacket</b>													
300V 70°C		IEC 60754-2					1.02 mm 18 AWG Solid BC	0.060	1.52	Overall Beldfoil® + Drain Wire (24 AWG TC)			Black, Red, Brown, Blue
 <p>Shorting Fold</p>													
	<b>4320FL</b>	4 CDR	328 1640	100 500	3.3 16.5	1.5 7.5					0.157	4.00	
	<b>4322FL</b>	4 CDR	328 1640	100 500	3.7 18.1	1.7 8.2					0.169	4.30	
<b>16 AWG • Solid 1.3 mm Bare Copper • Beldfoil® Shield • 24 AWG Tinned Copper Drain Wire • Numbered and Color Coded • Rip Cord</b>													
<b>PVC Insulation • Red PVC Jacket</b>													
300V 75°C		NEC: FPLR CEC: CMG FT4					1.29 mm 16 AWG Solid BC	0.061	1.54	Overall Beldfoil® + Drain Wire (24 AWG TC)			
 <p>Shorting Fold</p>													
	<b>5220FL</b>	2 CDR	1000	305	29.1	13.2					0.178	4.52	Black, Red
	<b>5222FL</b>	4 CDR	1000	305	50.0	22.7					0.208	5.28	Black, Red, Brown, Blue
<b>Polyethylene Insulation • Red FRNC / LSNH Jacket</b>													
300V 70°C	<b>4220FL</b>	IEC 60754-2	328 1640	100 500	8.8 44.5	4.0 20.2	1.29 mm 16 AWG Solid BC	0.071	1.80	Overall Beldfoil® + Drain Wire (24 AWG TC)	0.177	4.50	Black, Red
 <p>Shorting Fold 2 CDR</p>													

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

# Fire Alarm Cables

Commercial Applications  
Power-Limited Shielded

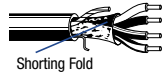


De- scription	Part No.	UL NEC / C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm	

**14 AWG** • Solid 1.6 mm Bare Copper • **Beldfoil®** Shield • 24 AWG Tinned Copper Drain Wire • Numbered and Color Coded • Rip Cord

**PVC Insulation • Red PVC Jacket**

300V 75°C		NEC: FPLR CEC: CMG FT4					1.63 mm 14 AWG Solid BC	0.077	1.96	Overall Beldfoil® + Drain Wire (24 AWG TC)			
--------------	--	---------------------------------	--	--	--	--	-------------------------------	-------	------	-----------------------------------------------------	--	--	--



Shorting Fold

<b>5120FL</b>	2 CDR	500 1000	152 305	22.0 43.0	10.0 19.5						0.217	5.51	Black, Red
<b>5122FL</b>	4 CDR	1000	305	79.1	35.9						0.255	6.48	Black, Red, Brown, Blue

**Polyethylene Insulation • Red FRNC/LSNH Jacket**

300V 70°C	<b>4120FL</b>	IEC 60754-2	1640	500	64.4	29.2	1.63 mm 14 AWG Solid BC	0.085	2.15	Overall Beldfoil® + Drain Wire (24 AWG TC)	0.217	5.50	Black, Red
--------------	---------------	----------------	------	-----	------	------	-------------------------------	-------	------	-----------------------------------------------------	-------	------	------------



Shorting Fold

2 CDR

**12 AWG** • Solid 2.0 mm Bare Copper • **Beldfoil®** Shield • 24 AWG Tinned Copper Drain Wire • Numbered and Color Coded • Rip Cord

**Polyethylene Insulation • Red FRNC/LSNH Jacket**

300V 75°C	<b>5020FL</b>	NEC: FPLR CEC: CMG FT4	1000	305	60.0	27.2	2.05 mm 12 AWG Solid BC	0.094	2.38	Overall Beldfoil® + Drain Wire (24 AWG TC)	0.251	6.38	Black, Red
--------------	---------------	---------------------------------	------	-----	------	------	-------------------------------	-------	------	-----------------------------------------------------	-------	------	------------



Shorting Fold

2 CDR

**Polyethylene Insulation • Red FRNC/LSNH Jacket**

300V 70°C	<b>4020FL</b>	IEC 60754-2	1640	500	90.4	41.0	2.05 mm 12 AWG Solid BC	0.107	2.72	Overall Beldfoil® + Drain Wire (24 AWG TC)	0.252	6.40	Black, Red
--------------	---------------	----------------	------	-----	------	------	-------------------------------	-------	------	-----------------------------------------------------	-------	------	------------



Shorting Fold

2 CDR

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

20 • New Generation® Cables



## Fire Alarm Cables

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

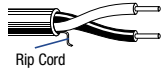


De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm	

**18 AWG • Solid 1.0 mm Bare Copper • Numbered and Color Coded • Rip Cord**

**Foam Polyethylene Insulation • Red PVC Jacket**

300V 75°C	<b>5320UJ</b>	NEC: FPL	U-1000	U-305	22.0	10.0	1.02 mm 18 AWG Solid BC	0.055	1.40	Unshielded	0.206	5.23	Black, Red
--------------	---------------	-------------	--------	-------	------	------	-------------------------------	-------	------	------------	-------	------	------------

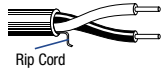


2 CDR

**16 AWG • Solid 1.3 mm Bare Copper • Numbered and Color Coded • Rip Cord**

**Foam Polyethylene Insulation • Red PVC Jacket**

300V 75°C	<b>5220UJ</b>	NEC: FPL	500 1000	152 305	16.1 32.0	7.3 14.5	1.29 mm 16 AWG Solid BC	0.066	1.67	Unshielded	0.230	5.84	Black, Red
--------------	---------------	-------------	-------------	------------	--------------	-------------	-------------------------------	-------	------	------------	-------	------	------------



2 CDR

**18 AWG • Solid 1.0 mm Bare Copper • Numbered and Color Coded • Beldfoil® Shield • Rip Cord**

**Foam Polyethylene Insulation • Red PVC Jacket**

300V 75°C		NEC: FPL					1.02 mm 18 AWG Solid BC	0.055	1.40	Overall Beldfoil®			
--------------	--	-------------	--	--	--	--	-------------------------------	-------	------	----------------------	--	--	--



Shorting Fold

<b>5320FJ</b>	2 CDR	U-1000	U-305	27.1	12.3						0.211	5.36	Black, Red
		1000	305	28.0	12.7								

<b>5322FJ</b>	4 CDR	1000	305	43.0	19.5						0.240	6.10	Black, Red, Brown, Blue
---------------	-------	------	-----	------	------	--	--	--	--	--	-------	------	-------------------------

**16 AWG • Solid 1.3 mm Bare Copper • Numbered and Color Coded • Beldfoil® Shield • Rip Cord**

**Foam Polyethylene Insulation • Red PVC Jacket**

300V 75°C		NEC: FPL					1.29 mm 16 AWG Solid BC	0.066	1.67	Overall Beldfoil®			
--------------	--	-------------	--	--	--	--	-------------------------------	-------	------	----------------------	--	--	--



Shorting Fold

<b>5220FJ</b>	2 CDR	500	152	18.1	8.2						0.235	5.97	Black, Red
		U-1000	U-305	35.1	15.9								
		1000	305	37.0	16.8								

<b>5222FJ</b>	4 CDR	1000	305	59.1	26.8						0.269	6.83	Black, Red, Brown, Blue
---------------	-------	------	-----	------	------	--	--	--	--	--	-------	------	-------------------------

BC = Bare Copper • DCR = DC resistance

## Fire Alarm Cables

Commercial Applications, Addressable Systems  
Power-Limited, Mid-Capacitance 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	

**14 AWG** • Solid 1.6 mm Bare Copper • Numbered and Color Coded • **Beldfoil®** Shield • Rip Cord

Foam Polyethylene Insulation • Red PVC Jacket													
300V 75°C	<b>5120FJ</b>	NEC: FPL	1000	305	49.2	22.3	1.63 mm 14 AWG Solid BC	0.084	2.14	Overall Beldfoil®	0.279	7.09	Black, Red



Shorting Fold  
2 CDR  
Shielded

**12 AWG** • Solid 2.1 mm Bare Copper • Numbered and Color Coded • **Beldfoil®** Shield • Rip Cord

Foam Polyethylene Insulation • Red PVC Jacket													
300V 75°C	<b>5020FJ</b>	NEC: FPL	1000	305	69.0	31.3	2.1 mm 12 AWG Solid BC	0.084	2.14	Overall Beldfoil®	0.317	8.05	Black, Red



Shorting Fold  
2 CDR

BC = Bare Copper • DCR = DC resistance

20 • New Generation® Cables

**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	
<b>18 AWG • Solid 1.0 mm Bare Copper • Numbered and Color Coded • Rip Cord</b>													
<b>PVC/Nylon Insulation • Red PVC Jacket</b>													
150V 75°C		NEC: NPLF					1.02 mm 18 AWG Solid BC	0.061	1.55	Unshielded			
 Rip Cord													
	<b>5320UN</b>	2 CDR	500 1000	152 305	14.1 31.1	6.4 14.1					0.239	6.07	Black, Red
	<b>5322UN</b>	4 CDR	500 1000	152 305	28.0 52.9	12.7 24.0					0.283	7.19	Black, Red, Brown, Blue
<b>16 AWG • Solid 1.3 mm Bare Copper • Numbered and Color Coded • Rip Cord</b>													
<b>PVC/Nylon Insulation • Red PVC Jacket</b>													
150V 75°C		NEC: NPLF					1.29 mm 16 AWG Solid BC	0.072	1.82	Unshielded			
 Rip Cord													
	<b>5220UN</b>	2 CDR	500 1000	152 305	22.0 39.9	10.0 18.1					0.262	6.65	Black, Red
	<b>5222UN</b>	4 CDR	1000	305	71.2	32.3					0.311	7.90	Black, Red, Brown, Blue
<b>14 AWG • Solid 1.6 mm Bare Copper • Numbered and Color Coded • Rip Cord</b>													
<b>PVC/Nylon Insulation • Red PVC Jacket</b>													
150V 75°C	<b>5120UN</b>	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											
<b>18 AWG • Solid 1.0 mm Bare Copper • Numbered and Color Coded • Beldfoil® Shield • 20 AWG Tinned Copper Drain Wire • Rip Cord</b>													
<b>PVC/Nylon Insulation • Red PVC Jacket</b>													
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													
	<b>5320FN</b>	2 CDR	500 1000	152 305	15.4 35.1	7.0 15.9					0.243	6.17	Black, Red
	<b>5322FN</b>	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

## 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	
<b>16 AWG • Solid 1.3 mm Bare Copper • Numbered and Color Coded • Beldfoil® Shield • 20 AWG Tinned Copper Drain Wire • Rip Cord</b>													
<b>PVC/Nylon Insulation • Red PVC Jacket</b>													
150V 75°C		NEC: NPLF					1.29 mm 16 AWG Solid BC	0.072	1.82	Overall Beldfoil® + Drain Wire (20 AWG TC)			
													
	<b>5220FN</b>	2 CDR	500 1000	152 305	23.6 45.2	10.7 20.5					0.266	6.76	Black, Red
	<b>5222FN</b>	4 CDR	500 1000	152 305	40.6 76.1	18.4 34.5					0.315	8.00	Black, Red, Brown, Blue
<b>14 AWG • Solid 1.6 mm Bare Copper • Numbered and Color Coded • Beldfoil® Shield • 20 AWG Tinned Copper Drain Wire • Rip Cord</b>													
<b>PVC/Nylon Insulation • Red PVC Jacket</b>													
150V 75°C		NEC: NPLF					1.63 mm 14 AWG Solid BC	0.085	2.16	Overall Beldfoil® + Drain Wire (20 AWG TC)			
													
	<b>5120FN</b>	2 CDR	500 1000	152 305	32.0 61.1	14.5 27.7					0.303	7.70	Black, Red
	<b>5122FN</b>	4 CDR	500 1000	152 305	50.7 102.3	23.0 46.4					0.348	8.84	Black, Red, Brown, Blue
<b>12 AWG • Solid 2.1 mm Bare Copper • Numbered and Color Coded • Beldfoil® Shield • 20 AWG Tinned Copper Drain Wire • Rip Cord</b>													
<b>PVC/Nylon Insulation • Red PVC Jacket</b>													
150V 75°C	<b>5020FN</b>	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
													
		2 CDR											

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