

Access Control Banana Peel® Cable

Lock Power, Card Reader, Door Contact, REX Applications
Riser-Rated



**Composite
Shielded Multi-Conductors**
CMR/CMG Rated

Product Description

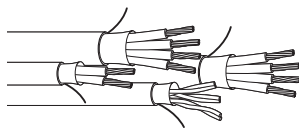
Stranded bare copper conductors, PVC or Flame-retardant PVC insulation and jackets. No overall jacket. All cables are Beldfoil® shielded (100% coverage) with drain wire and rip cord. Cable jackets are color coded by application. Individual jacket is sequentially marked at two foot intervals.

Specifications

Conductor	Bare Copper
Insulation	PVC or FR-PVC
Shield	Beldfoil
Individual Jackets	PVC or FR-PVC
Overall Jacket	None
Approvals	
NEC	CMR
CEC	CMG
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- Security Systems
- Power-Limited Controls
- Access Control
- Card Reader
- Lock Power
- Door Control
- REX

**Individual Cable Jacket Color Coding System**

Jacket Color	Print Legend	Cable Type
Orange	Card Reader	3/P, 18 or 22 AWG, Shielded
White	Door Contact	2/C, 18 or 22 AWG, Shielded
Blue	Rex/Spare	4/C, 18 or 22 AWG, Shielded
Gray	Lock Power	4/C, 16 or 18 AWG, Shielded

Part No.	Component Descriptions	Insulation Material & (Color Code)	Jacket Material & Component OD		Overall Nom. OD		Standard Lengths		Standard Unit Weight	
			Inch	mm	Inch	mm	Ft.	m	Lbs.	kg

Composite Shielded Multi-Conductors (NEC CMR and CEC CMG)

(3) Shielded Multi-Conductors • (1) Shielded Multi-Pair										
558AFS new	(1) 3-Pair 22 AWG Stranded (7x30) Bare Copper Shielded	F-R PVC (Black & Red, White & Green, Orange & Brown)	Orange FR-PVC .233	5.92	.448	11.38	500 1000	152 305	59 108	26.5 49.0
	(1) 2-Cond. 22 AWG Stranded (7x30) Bare Copper Shielded	F-R PVC (Black, Red)	White FR-PVC .140	3.56						
	(1) 4-Cond. 22 AWG Stranded (7x30) Bare Copper Shielded	F-R PVC (Black, Red, White, Green)	Blue FR-PVC .161	4.09						
	(1) 4-Cond. 18 AWG Stranded (7x26) Bare Copper Shielded	F-R PVC (Black, Red, White, Green)	Gray FR-PVC .202	5.13						
	538AFS new	(1) 3-Pair 18 AWG Stranded (7x26) Bare Copper Shielded	PVC (Black & Red, White & Green, Orange & Brown)	Orange PVC .285	7.24	.516	13.11	1000	305	182
(1) 2-Cond. 18 AWG Stranded (7x26) Bare Copper Shielded		PVC (Black, Red)	White PVC .175	4.45						
(1) 4-Cond. 18 AWG Stranded (7x26) Bare Copper Shielded		PVC (Black, Red, White, Green)	Blue PVC .202	5.13						
(1) 4-Cond. 16 AWG Stranded (19x30) Bare Copper Shielded		PVC (Black, Red, White, Green)	Gray PVC .230	5.84						

F-R = Flame-retardant

U.S. Patent 7,049,523

Security UTP Cable

CCTV Fixed and PTZ Applications
Riser-Rated



Non-Plenum

CM FT1 or CMR FT4 Rated

Product Description

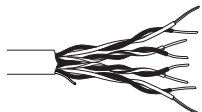
Solid bare copper conductors, unshielded twisted pairs, polyolefin insulation, PVC jacket with rip cord. Sequential footage marking every two feet.

Specifications

Conductor	Solid Bare Copper
Shield	Unshielded
Jacket	PVC
Approvals	
NEC	CM or CMR
CEC	CM FT1 or CMR FT4
Nominal Impedance	100Ω
Temperature Rating	80°C

Applications:

- 100BaseTX
- 100BaseVG ANYLAN
- 155ATM
- 622ATM
- AES/EBU
- Digital Video, RS-422
- Gigabit Ethernet
- NTSC/PAL Component or Composite Video
- Premise Horizontal Cable
- CCTV UTP
- PTZ
- Pan/Tilt/Zoom



Part No.	Component Descriptions	Insulation Material	Insulation Nominal OD		Nominal OD		Standard Lengths		Standard Unit Weight	
			Inch	mm	Inch	mm	Ft.	m	Lbs.	kg

Non-Plenum (NEC CM and CEC CM FT1)

Category 5e										
1583A new	4-Pair UTP 24 AWG Solid Bare Copper Cond.	Polyolefin	.008	0.20	.195	4.95	U-1000 1000 1640 3000	U-305 305 500 915	21.0 21.0 34.4 63.0	9.5 9.5 15.7 28.6
1500A new	4-Pair UTP 24 AWG Solid Bare Copper Cond.	Polyolefin	.008	0.20	.200	5.08	A-1000 1000	A-305 305	26.0 23.0	11.8 10.4

Non-Plenum (NEC CMR and CEC CMR FT4)

Category 5e										
1583R new	4-Pair UTP 24 AWG Solid Bare Copper Cond.	Polyolefin	.007	0.18	.197	5.00	U-1000 1000 3000	U-305 305 915	22.0 22.0 63.0	10.0 10.0 28.6
1500R new	4-Pair UTP 24 AWG Solid Bare Copper Cond.	Polyolefin	.007	0.18	.194	5.00	A-1000 1000	A-305 305	27.0 24.0	12.2 10.9
Category 6										
7881A new	4-Pair UTP 23 AWG Solid Bare Copper Cond.	Polyolefin	.010	0.18	.235	5.97	A-1000 1000	A-305 305	33.0 30.0	15.0 13.6

UTP = Unshielded Twisted Pair

Refer to www.belden.com for jacket colors and put-ups.

Color Code Chart

Pair No.	Color Combinations
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

Pan/Tilt/Zoom Banana Peel® Composite

CCTV plus Audio or Power or Pan and Tilt CCTV Control Applications
Riser-Rated



**Composite Coax,
Pair and Multi-Conductors**
CMR/CMG FT4 Rated

Product Description

(1) Coax: 20 AWG solid bare copper conductor, gas-injected foam high-density polyethylene insulation, bare copper braid shield (95% coverage), Black PVC jacket.

(1) Pair: 23 AWG solid bare copper conductors, polyolefin insulation, Blue PVC jacket. Color code: White/Blue Stripe & Blue. Category 5e tested.

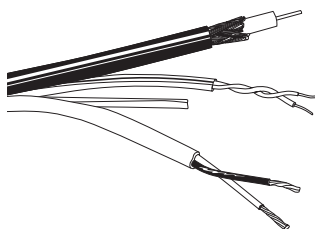
(2) Conductors: 18 AWG stranded (7x26) bare copper conductors, PVC insulation, White flame-retardant PVC jacket. Color code: Black & Red.

Specifications

Conductor	Bare Copper
Application Shielding	
Video	Bare Copper Braid
Control	Unshielded
Power	Unshielded
Component Jackets	PVC
Overall Jacket	None
Approvals	
NEC	CMR
CEC	CMG FT4
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- CCTV plus Control and Power
- Pan, Tilt and Zoom CCTV Control



Part No.	Component Descriptions	Insulation Material & Shielding	Component Nom. OD		Overall Nom. OD		Standard Lengths		Standard Unit Weight	
			Inch	mm	Inch	mm	Ft.	m	Lbs.	kg

Composite (NEC CMR and CEC CMG FT4)

RG-59/U 20 AWG Coax • Cat. 5e 23 AWG Pair • 18 AWG Cond.										
500PTZ new	(1) Coax: RG-59/U 20 AWG (solid) Bare Copper Cond.	Gas-injected Foam HDPE, Bare Copper Braid Shield (95% coverage)	.227	5.57	.411	10.4	500	152	38.5	17.5
	(1) 1-Pair 23 AWG (solid) Bare Copper Cond.	Polyolefin, Unshielded	.118	3.00			1000	305	71.0	32.3
	(1) 2-Cond. 18 AWG Stranded (7x26) Bare Copper Cond.	PVC, Unshielded	.171	4.34						

HDPE = High-density Polyethylene
U.S. Patent 7,049,523

Individual Cable Jacket Color Coding System

Jacket Color	Cable Type
Black	Coax, RG-59/U, 20 AWG, 95% Braid
Blue	1/P, 23 AWG, Unshielded
White	2/C, 18 AWG, Unshielded

Pan/Tilt/Zoom Banana Peel® Composite

CCTV plus Audio or Power or Pan and Tilt CCTV Control Applications
Riser-Rated



**Composite Coax,
Pair and Multi-Conductors**
CMR/CMG FT4 Rated

Product Description

(1) Coax: 20 AWG solid bare copper conductor, gas-injected foam high-density polyethylene insulation, bare copper braid shield (95% coverage), Black PVC jacket.

(1) Pair: 22 AWG stranded (7x30) bare copper conductors, polyolefin insulation, Beldfoil® shield (100% coverage), Blue PVC jacket. Color code: White/Blue Stripe & Blue. Category 5e tested.

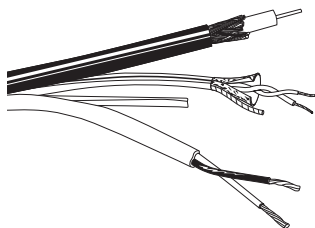
(2) Conductors: 18 AWG stranded (7x26) bare copper conductors, PVC insulation, White flame-retardant PVC jacket. Color code: Black & Red.

Specifications

Conductor	Bare Copper
Application Shielding	
Video	Bare Copper Braid
Control	Aluminum/Polyester
Power	Unshielded
Component Jackets	PVC
Overall Jacket	None
Approvals	
NEC	CMR
CEC	CMG FT4
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- CCTV plus Control and Power
- Pan, Tilt and Zoom CCTV Control



Part No.	Component Descriptions	Insulation Material & Shielding	Component Nom. OD		Overall Nom. OD		Standard Lengths		Standard Unit Weight	
			Inch	mm	Inch	mm	Ft.	m	Lbs.	kg

Composite (NEC CMR and CEC CMG FT4)

RG-59/U 20 AWG Coax • Cat. 5e 22 AWG Pair • 18 AWG Cond.										
501PTZ new	(1) Coax: RG-59/U 20 AWG (solid) BC Cond.	Gas-injected Foam HDPE, BC Braid Shield (95% coverage)	.227	5.57	.419	10.6	500	152	41.0	18.6
	(1) 1-Pair 22 AWG (7x30) BC Cond.	Polyolefin, Beldfoil Shield (100% coverage)	.177	4.50			1000	305	76.0	34.5
	(1) 2-Cond. 18 AWG Stranded (7x26) BC Cond.	PVC, Unshielded	.171	4.34						

BC = Bare Copper • HDPE = High-density Polyethylene

U.S. Patent 7,049,523

Individual Cable Jacket Color Coding System

Jacket Color	Cable Type
Black	Coax: RG-59/U, 20 AWG, BC Braid Shield
Blue	1/P, 22 AWG, Beldfoil Shield
White	2/C, 18 AWG, Unshielded

Pan/Tilt/Zoom Banana Peel® Composite

CCTV plus Audio or Power or Pan and Tilt CCTV Control Applications
Riser-Rated



**Composite Coax,
Pair and Multi-Conductors**
CMR/CMG FT4 Rated

Product Description

(1) Coax: 20 AWG solid bare copper conductor, gas-injected foam high-density polyethylene insulation, bare copper braid shield (95% coverage), Black PVC jacket.

(1) Pair: 18 AWG stranded (19x30) bare copper conductors, polyolefin insulation, Beldfoil® shield (100% coverage), Blue PVC jacket. Color code: White/Blue Stripe & Blue. Category 5e tested.

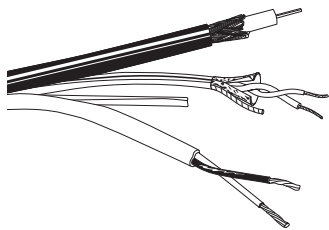
(2) Conductors: 18 AWG stranded (7x26) bare copper conductors, PVC insulation, White flame-retardant PVC jacket. Color code: Black & Red.

Specifications

Conductor	Bare Copper
Application Shielding	
Video	Bare Copper Braid
Control	Aluminum/Polyester
Power	Unshielded
Component Jackets	PVC
Overall Jacket	None
Approvals	
NEC	CMR
CEC	CMG FT4
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- CCTV plus Control and Power
- Pan, Tilt and Zoom CCTV Control



Part No.	Component Descriptions	Insulation Material & Shielding	Component Nom. OD		Overall Nom. OD		Standard Lengths		Standard Unit Weight	
			Inch	mm	Inch	mm	Ft.	m	Lbs.	kg

Composite (NEC CMR and CEC CMG FT4)

RG-59/U 20 AWG Coax • Cat. 5e 18 AWG Pair • 18 AWG Cond.										
502PTZ new	(1) Coax: RG-59/U 20 AWG (solid) BC Cond.	Gas-injected Foam HDPE, BC Braid Shield (95% coverage)	.227	5.57	.451	11.5	500	152	50.0	22.7
	(1) 1-Pair 18 AWG (19x30) BC Cond.	Polyolefin, Beldfoil Shield (100% coverage)	.219	5.56			1000	305	94.0	42.6
	(1) 2-Cond. 18 AWG Stranded (7x26) BC Cond.	PVC, Unshielded	.171	4.34						

BC = Bare Copper • HDPE = High-density Polyethylene

U.S. Patent 7,049,523

Individual Cable Jacket Color Coding System

Jacket Color	Cable Type
Black	Coax: RG-59/U, 20 AWG, BC Braid Shield
Blue	1/P, 18 AWG, Beldfoil Shield
White	2/C, 18 AWG, Unshielded

UTP CCTV Surveillance Cables

CCTV and PTZ Applications
Unshielded, Riser-Rated



Composite Unshielded Multi-conductor CMR/CMG FT4 Rated

Product Description

Data Pair: 24 or 23 AWG solid bare copper conductors, unshielded twisted pairs, polyolefin insulation.

Power Conductors: 16 AWG stranded (19x29) tinned copper conductors, unshielded, polypropylene insulation.

Overall: White or Black, flame-retardant PVC jacket.

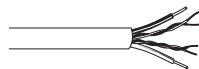
Specifications

Conductor	
Data Pair	Solid Bare Copper
Power	Stranded Tinned Copper
Shield	Unshielded
Jacket	F-R PVC
Approvals	
NEC	CMR
CEC	CMG FT4
NEC Articles	800
Nominal Impedance	100Ω
Temperature Rating	75°C

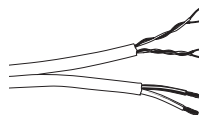
Applications:

- UTP-CCTV
- CCTV
- CCTV on UTP
- CCTV Video/Control
- Closed Circuit Television
- Pan/Tilt/Zoom (PTZ) Cameras
- Surveillance
- Video Over Twisted Pairs

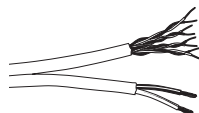
5284UE (Round Construction)



5284US (Siamese Construction)



5288US (Siamese Construction)



Part No.	Component Descriptions	Insulation Material	Insulation Nominal OD		Nominal OD		Standard Lengths		Standard Unit Weight	
			Inch	mm	Inch	mm	Ft.	m	Lbs.	kg

Unshielded Composite (NEC CMR and CEC CMG FT4)

Category 5e

5284UE new	2-Pair UTP 23 AWG Solid Bare Copper Cond.	Polyolefin	.040	1.01	.233	5.92	500 1000	152 305	22.5 44.0	10.2 20.0
	2-Cond. 16 AWG Stranded (19x29) Tinned Copper Cond.	Polypropylene	.077	1.96						
5284US new	2-Pair UTP 24 AWG Solid Bare Copper Cond.	Polyolefin	.035	.89	.208 x .426	5.28 x 10.82	500 100	152 305	25.5 44.0	11.6 20.0
	2-Cond. 16 AWG Stranded (19x29) Tinned Copper Cond.	PVC	.080	2.03						
5288US* new	4-Pair UTP 24 AWG Solid Bare Copper Cond.	Polyolefin	.035	.89	.198 x .424	5.03 x 10.77	500 1000	152 305	27.5 52.0	12.5 23.6
	2-Cond. 16 AWG Stranded (19x29) Tinned Copper Cond.	PVC	.080	2.03						

UTP = Unshielded Twisted Pair • F-R = Flame-retardant

*Special Construction available upon request.

Color Code Chart (Data Pair)

Pair No.	Color
1	Blue & White/Blue Stripe
2	Orange & White/Orange Stripe
3	Green & White/Green Stripe
4	Brown & White/Brown Stripe

Color Code Chart (Power)

Cond. No.	Color
1	Black
2	Red

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 new	2	7	1000	305	68.0	30.9	.056	1.42	.37	9.40
5220UZ new	2	solid	1000	305	64.0	29.0	.056	1.42	.35	8.89
14 AWG										
5100UZ new	2	7	1000	305	87.0	39.5	.056	1.42	.40	10.16
5120UZ new	2	solid	1000	305	79.0	35.8	.056	1.42	.38	9.65
12 AWG										
5000UZ new	2	7	1000	305	108.0	50.0	.056	1.42	.37	9.40
5020UZ new	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 new	2	7	1000	305	75.0	34.0	.056	1.42	.37	9.40
5220FZ new	2	solid	1000	305	71.0	32.2	.056	1.42	.36	9.14
5222FZ new	4	solid	1000	305	108.0	50.0	.056	1.42	.41	10.41
14 AWG										
5100FZ new	2	7	1000	305	97.0	44.0	.056	1.42	.41	10.41
5120FZ new	2	solid	1000	305	90.0	40.8	.056	1.42	.38	9.65
12 AWG										
5000FZ new	2	7	1000	305	122.0	55.3	.056	1.42	.44	11.18
5020FZ new	2	solid	1000	305	117.0	53.1	.056	1.42	.42	10.67
5022FZ new	4	solid	1000	305	187.0	84.8	.056	1.42	.48	12.19

FRPE = Flame-retardant Polyethylene

Circuit Integrity (CI) Safe-T-Line® Cable

Commercial 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 new	2	solid	1000	305	47.0	21.3	.034	.86	.31	7.87
5324UM new	4	solid	1000	305	73.0	33.1	.034	.86	.35	8.89
5324UM new	6	solid	1000	305	100.0	45.4	.034	.86	.42	10.67
5326UM new	8	solid	1000	305	123.0	55.8	.034	.86	.45	11.43
16 AWG										
5220UM new	2	solid	1000	305	59.0	26.8	.034	.86	.33	8.38
5222UM new	4	solid	1000	305	97.0	44.0	.034	.86	.38	9.65
14 AWG										
5120UM new	2	solid	1000	305	73.0	33.1	.034	.86	.36	9.14
5122UM new	4	solid	1000	305	123.0	55.8	.034	.86	.41	10.41
12 AWG										
5020UM new	2	solid	1000	305	96.0	43.6	.034	.86	.39	9.91
5022UM new	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 new	2	solid	1000	305	50.0	22.7	.034	.86	.31	7.87
5322FM new	4	solid	1000	305	78.0	35.4	.034	.86	.36	9.14
5324FM new	6	solid	1000	305	106.0	48.1	.034	.86	.42	10.67
5326FM new	8	solid	1000	305	129.0	58.5	.034	.86	.46	11.61
5300FM new	2	(7x26)	1000	305	57.0	25.9	.034	.86	.32	8.13
5302FM new	4	(7x26)	1000	305	103.0	46.7	.034	.86	.37	9.40
5304FM new	6	(7x26)	1000	305	122.0	55.3	.034	.86	.44	11.18
5306FM new	8	(7x26)	1000	305	148.0	67.1	.034	.86	.47	11.94
16 AWG										
5220FM new	2	solid	1000	305	66.0	29.9	.034	.86	.33	8.38
5222FM new	4	solid	1000	305	103.0	46.7	.034	.86	.38	9.65
5200FM new	2	(7x24)	1000	305	71.0	32.2	.034	.86	.35	8.89
5202FM new	4	(7x24)	1000	305	112.0	50.8	.034	.86	.40	10.16
14 AWG										
5120FM new	2	solid	1000	305	84.0	38.1	.034	.86	.36	9.14
5122FM new	4	solid	1000	305	133.0	60.3	.034	.86	.41	10.41
5100FM new	2	(7x22)	1000	305	93.0	42.2	.034	.86	.38	9.65
5102FM new	4	(7x22)	1000	305	149.0	67.6	.034	.86	.44	11.18
12 AWG										
5020FM new	2	solid	1000	305	112.0	50.8	.034	.86	.39	9.91
5022FM new	4	solid	1000	305	183.0	83.0	.034	.86	.46	11.68
5000FM new	2	(7x20)	1000	305	117.0	53.1	.034	.86	.42	10.67
5002FM new	4	(7x20)	1000	305	189.0	85.7	.034	.86	.48	12.19

FRPE = Flame-retardant Polyethylene

Speaker Cable

Commercial Audio Systems
Unshielded, Riser-Rated



Unshielded Multi-conductor

CMR/CMG FT4 Rated or CL3R Rated

Product Description

Bare copper conductors, PVC insulation, Gray PVC jacket with rip cord. Sequential footage marking every two feet.

Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	PVC
Insulation Thickness	
22 to 16 AWG	.010" (.254mm)
14 to 12 AWG	.014" (.356mm)
NEC Articles	725
Jacket	PVC
Approvals	
NEC (22 to 16 AWG)	CMR FPLR†
CEC (22 to 16 AWG)	CMG FT4
NEC (14 to 12 AWG)	CL3R
NEC Articles	
22 to 16 AWG	800
14 to 12 AWG	725
Voltage Rating	300V
Temperature Rating	75°C

†CMR FPLR dual rating for 5000UE, 5100UE, 5000FE and 5100FE only.

Applications

- Intercom/PA Systems
- Sound/Audio Systems
- Security Systems
- Power Limited Controls
- Single Line Telephone

Solid Conductor



Stranded Conductor



Color Code Chart

(22 to 16 AWG)

(14 to 12 AWG)

Cond. No.	Color	Cond. No.	Color
1	Black	1	Black
2	Red	2	White
3	White	3	Red

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 CMR and CEC CMG FT4)

22 AWG										
5520UE	2	solid	C-500	C-152	4.0	1.8	.015	.38	.122	3.10
			U-500	U-152	5.5	2.5				
			C-1000	C-305	8.0	3.6				
			U-1000	U-305	9.0	4.1				
			1000	305	9.0	4.1				
5500UE	2	7	C-500	C-152	4.0	1.8	.015	.38	.128	3.25
			U-500	U-152	5.5	2.5				
			500	152	5.5	2.5				
			C-1000	C-305	8.0	3.6				
			U-1000	U-305	10.0	4.5				
			1000	305	9.0	4.1				
5501UE	3	7	U-1000	U-305	13.0	5.9	.015	.38	.135	3.43
			1000	305	13.0	5.9				
20 AWG										
5400UE	2	7	C-500	C-152	6.0	2.7	.015	.38	.142	3.61
			U-1000	U-305	13.0	5.9				
			1000	305	13.0	5.9				
5401UE	3	7	500	152	9.0	4.1	.015	.38	.150	3.81
			U-1000	U-305	18.0	8.2				
			1000	305	18.0	8.2				
18 AWG										
5320UE	2	solid	C-500	C-152	7.5	3.4	.015	.38	.151	3.84
			U-1000	U-305	17.0	7.7				
5300UE*	2	7	C-500	C-152	8.5	3.9	.015	.38	.161	4.09
			U-500	U-152	9.5	4.3				
			500	152	9.5	4.3				
			U-1000	U-305	17.0	7.7				
			1000	305	18.0	8.2				
5321UE	3	solid	U-1000	U-305	23.0	10.4	.015	.38	.160	4.06
			1000	305	23.0	10.4				
5301UE	3	7	500	152	12.5	5.7	.015	.38	.171	4.34
			U-1000	U-305	25.0	11.3				
			1000	305	25.0	11.3				
16 AWG										
5200UE	2	19	C-500	C-152	11.5	5.2	.015	.38	.184	4.67
			U-500	U-152	13.0	5.9				
			500	152	12.5	5.7				
			U-1000	U-305	24.0	10.9				
			1000	305	25.0	11.4				
5201UE	3	19	U-500	U-152	18.5	8.4	.015	.38	.196	4.98
			500	152	18.0	8.2				
			U-1000	U-305	35.0	15.9				
			1000	305	38.0	17.3				

Unshielded Multi-conductor (NEC CL3R)

14 AWG										
5100UE**	2	19	500	152	20.0	9.1	.015	.38	.234	5.94
			U-1000	U-305	38.0	17.2				
			1000	305	40.0	18.2				
5101UE	3	19	1000	305	56.0	25.4	.015	.38	.249	6.32
12 AWG										
5000UE**	2	19	500	152	29.0	13.2	.015	.38	.268	6.81
			1000	305	57.0	25.9				
5001UE	3	19	1000	305	82.0	37.3	.015	.38	.286	7.26

* 5300UE also available in White or Black.

** 5100UE and 5000UE also available in Red.

Audio Cable

Commercial Audio Systems

Shielded, Riser-Rated or CL3R Rated



Shielded Multi-conductor

CMR/CMG FT4 Rated or CL3R Rated

Product Description

Bare copper conductors, PVC insulation, conductors cabled, Beldfoil® shield tape (foil side out) with drain wire, Gray PVC jacket with rip cord. Sequential footage marking every two feet.

Color Code: See chart below.

Specifications

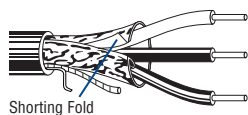
Conductor	Bare Copper
Insulation	PVC
Insulation Thickness	
24 to 16 AWG	.010" (.254mm)
14 to 12 AWG	.014" (.356mm)
Shield	Beldfoil
Jacket	PVC
Approvals	
NEC (24 to 16 AWG)	CMR FPLR†
CEC (24 to 16 AWG)	CMG FT4
NEC (14 to 12 AWG)	CL3R
NEC Articles	
24 to 16 AWG	800
14 to 12 AWG	725
Voltage Rating	300V
Temperature Rating	75°C

†CMR FPLR dual rating for 5000UE, 5100UE, 5000FE and 5100FE only.

Applications

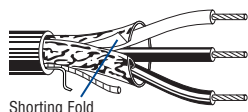
- Intercom/PA Systems
- Sound/Audio Systems
- Fire Alarm Systems (Red Only)

Solid Conductor



Shorting Fold

Stranded Conductor



Shorting Fold

Color Code Chart

(24 to 16 AWG)

(14 to 12 AWG)

Cond. No.	Color	Cond. No.	Color
1	Black	1	Black
2	Red	2	White
3	White	3	Red

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 CMR and CEC CMG FT4)

24 AWG										
5600FE	2	7	U-1000 1000	U-305 305	11.0 10.0	5.0 4.5	.015	.38	.120	3.05

22 AWG										
5520FE	2	solid	C-500 C-1000 U-1000 1000	C-152 C-305 U-305 305	6.5 13.0 14.0 14.0	3.0 5.9 6.4 6.4	.015	.38	.125	3.18

5500FE	2	7	C-500 U-500 500 U-1000 1000	C-152 U-152 152 U-305 305	5.5 6.5 6.5 12.0 12.0	2.5 3.0 3.0 5.5 5.5	.015	.38	.130	3.30
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5521FE	3	solid	U-1000 1000	U-305 305	12.0 12.0	5.4 5.4	.015	.38	.132	3.35
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5501FE	3	7	C-500 U-500 500 U-1000 1000	C-152 U-152 152 U-305 305	7.0 8.0 7.5 15.0 15.0	3.2 3.6 3.4 6.8 6.8	.015	.38	.138	3.51
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20 AWG										
5400FE	2	7	U-500 500 U-1000 1000	U-152 152 U-305 305	9.0 8.5 17.0 17.0	4.1 3.9 7.7 7.7	.015	.38	.145	3.68

5421FE	3	solid	U-1000	U-305	20.0	9.1	.015	.38	.146	3.71
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5401FE	3	7	U-500 500 U-1000 1000	U-152 152 U-305 305	11.0 10.5 21.0 21.0	5.0 4.8 9.5 9.5	.015	.38	.153	3.89
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18 AWG										
5320FE	2	solid	C-500 U-1000 1000	C-152 U-305 305	10.0 21.0 21.0	4.5 9.5 9.5	.015	.38	.155	3.94

5300FE	2	7	C-500 U-500 500 U-1000 1000	C-152 U-152 152 U-305 305	11.0 12.0 12.0 23.0 23.0	5.0 5.4 5.4 10.4 10.4	.015	.38	.165	4.19
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5301FE	3	7	U-500 500 U-1000 1000	U-152 152 U-305 305	15.5 15.0 30.0 30.0	7.0 6.8 13.6 13.6	.015	.38	.175	4.45
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16 AWG										
5200FE*	2	19	U-500 500 U-1000 1000	U-152 152 U-305 305	16.5 16.5 31.0 32.0	7.5 7.5 14.1 14.5	.015	.38	.188	4.78

5201FE	3	19	500 U-1000 1000	152 U-305 305	21.5 42.0 42.0	9.8 19.1 19.1	.015	.38	.200	5.08
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Shielded Multi-conductor (NEC CL3R)

14 AWG										
5100FE**	2	19	500 U-1000 1000	152 U-305 305	28.5 49.0 51.0	13.0 22.3 23.2	.015	.38	.238	6.05

5101FE	3	19	1000	305	66.0	30.0	.015	.38	.253	6.43
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12 AWG										
5000FE**	2	19	500 1000	152 305	36.5 67.0	16.6 30.4	.015	.38	.272	6.91

* 5200FE also available in White.

** 5100FE and 5000FE also available in Red (rating FPLR).