




**Overall Braid Shield**

MIL-W-16878 (Type B) Conductors, Shielded and Jacketed<sup>†</sup>  
Communication and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance							
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m				
<b>22 AWG</b> Stranded (19x34) TC Conductors • .003" (.76mm) Clear Nylon Skin over Insulation • Tinned Copper Braid Shield (90% Coverage)																						
<b>PVC Insulation • White PVC Jacket</b>																						
600V RMS 105°C VW-1	9965	—	1	White	1000	304.8	10.0	4.5	.010	.25	.010	.25	.100	2.54	—	—	100	328				
					9966	—	2	White, Black	100	30.5	2.9	1.3	.010	.25	.020	.51	.176	4.47	52	171	87	285
									500	152.4	10.5	4.8										
	1000	304.8	19.0	8.7																		
	9967	—	3 <sup>††</sup>	White, Black, Red	100	30.5	3.4	1.5	.010	.25	.020	.51	.184	4.67	45	148	88	289				
					500	152.4	13.0	5.9														
					1000	304.8	24.0	10.9														
	9968	—	4 <sup>††</sup>	White, Black, Red, Green	100	30.5	3.9	1.8	.010	.25	.020	.51	.200	5.08	42	138	69	226				
					500	152.4	14.5	6.6														
					1000	304.8	29.0	13.2														
<b>20 AWG</b> Stranded (19x32) Tinned Copper Conductors • .004" (.10mm) Clear Nylon Skin over Insulation • TC Braid Shield (90% Coverage)																						
<b>PVC Insulation • White PVC Jacket</b>																						
600V RMS 105°C VW-1	9961	—	1	White	500	152.4	4.5	2.0	.011	.27	.010	.25	.109	2.77	—	—	103	338				
					9962	—	2 <sup>††</sup>	White, Black	100	30.5	3.3	1.5	.011	.27	.020	.51	.192	4.88	53	174	91	299
									500	152.4	11.0	5.0										
	1000	304.8	22.0	10.0																		
	9963	—	3 <sup>††</sup>	White, Black, Red	100	30.5	3.9	1.8	.011	.27	.025	.64	.210	5.33	49	161	84	276				
					500	152.4	14.5	6.6														
					1000	304.8	29.0	13.2														
	9964	—	4 <sup>††</sup>	White, Black, Red, Green	100	30.5	4.6	2.1	.011	.27	.025	.64	.226	5.74	40	131	100	328				
					500	152.4	18.0	8.2														
					1000	304.8	39.0	17.7														
<b>16 AWG</b> Stranded (19x29) Tinned Copper Conductors • .004" (.10mm) Clear Nylon Skin over Insulation • TC Braid Shield (90% Coverage)																						
<b>PVC Insulation • White PVC Jacket</b>																						
600V RMS 105°C VW-1	9951	—	1	White	1000	304.8	20.0	9.1	.012	.30	.016	.41	.143	3.63	—	—	138	453				
					9952	—	2 <sup>††</sup>	White, Black	100	30.5	4.6	2.1	.012	.30	.025	.64	.250	6.35	57	187	95	312
									500	152.4	19.0	8.7										
	1000	304.8	42.0	19.1																		
	9953	—	3 <sup>††</sup>	White, Black, Red	100	30.5	5.2	2.4	.012	.30	.025	.64	.264	6.71	58	190	101	331				
					500	152.4	26.0	11.9														
					1000	304.8	56.0	25.5														
	9954	—	4 <sup>††</sup>	White, Black, Red, Green	100	30.5	7.7	3.5	.012	.30	.027	.69	.291	7.39	49	161	94	308				
					500	152.4	34.5	15.7														
					1000	304.8	73.0	33.1														

TC = Tinned Copper

\* Capacitance between conductors.

\*\* Capacitance between one conductor and other conductors connected to shield.

† Manufactured to Government specifications: MIL-W-16878 Rev. D.

†† Conductors cabled.


# Combination Shields

Special Audio, Communication and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

**25 AWG Stranded (7x33) Tinned Copper Conductors • Overall Beldfoil® Shield (100% Coverage) • 25 AWG Stranded TC Drain Wire**


**Polyethylene Insulation • Chrome PVC Jacket (Pairs Cabled on Common Axis to Reduce Diameter)**

 <p>400V 80°C</p> <p>Shorting Fold</p>	<b>8434</b>		2	Shielded: Red & Black	100	30.5	2.1	1.0	.013	.33	.020	.51	.165	4.19	25	82	40	131				
					500	152.4	7.0	3.2														
					U-1000	U-304.8	14.0	6.4														
					1000	304.8	12.0	5.5														

Red/Black pair 100% Beldfoil shielded with drain wire.  
3 copper, 4 copper-covered steel strands in each conductor.

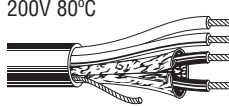
**22 AWG Stranded (7x30) Tinned Copper Conductors • One Pair Beldfoil Shielded (100% Coverage) • Stranded Tinned Copper Drain Wire**


**PVC Insulation • Chrome PVC Jacket (Pair and Single Cabled)**

 <p>300V RMS 90°C</p>	<b>9685</b>	NEC: CM	1.5 (1 pair + 1 single)	Shielded: Black & White	U-1000	U-304.8	24.0	10.9	.013	.33	.032	.81	.199	5.05	60	197	99	325

Meets NEC Article 800  
22 AWG drain wire


**Polypropylene Insulation • Chrome PVC Jacket (Pairs Cabled on Common Axis to Reduce Diameter)**

 <p>200V 80°C</p> <p>24 AWG drain wire</p>	<b>8730<sup>†</sup></b>		2	Shielded: Red & Black	U-1000	U-304.8	24.0	10.9	.008	.20	.030	.76	.205	5.21	34	112	67	220
					1000	304.8	26.0	11.8										

 <p>300V 80°C VW-1</p> <p>24 AWG drain wire</p>	<b>8724<sup>†</sup></b>	NEC: CM	2	Shielded: Red & Black	U-1000	U-304.8	21.0	9.5	.008	.20	.019	.48	.165	4.19	34	112	67	220
					1000	304.8	21.0	9.5										

**22 AWG Stranded (7x30) TC Conductors • Cabled in Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG Stranded TC Drain Wires**

**Polypropylene Insulation • Chrome PVC Jacket (Pairs Cabled on Common Axis to Reduce Diameter)**

 <p>UL AWM Style 2717 (80°C)</p>	<b>8728</b>	NEC: CM	2	Black & Red	U-500	U-152.4	15.5	7.0	.010	.25	.028	.71	.215	5.46	35	115	62	203				
					500	152.4	15.5	7.0														
					U-1000	U-304.8	30.0	13.6														
					1000	304.8	31.0	14.0														

Meets NEC Article 800  
Each pair Beldfoil shielded with individual drain wire plus polyester film over each shield.

TC = Tinned Copper

\* Capacitance between conductors.

\*\* Capacitance between one conductor and other conductors connected to shield.

† Request Technical Bulletin T/8-21 before planning high and low level circuits in the same cable.



## Special Application Audio, Communication and Instrumentation Cable

Audio Connecting Cables and Dual Channel Audio Cables



Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	pF/Ft.*	pF/m*

**25 AWG** Stranded (7x33) Conductor • (3) TC, (4) TCCS • Double Beldfoil® Shield (100% Coverage) • 26 AWG Stranded TC Drain Wire

### FPE Insulation • Chrome PVC Jacket

Miniature 80°C	8417	—	1	—	250	76.2	3.3	1.5	.020	.51	.026	.66	.140	3.56	29	95
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**25 AWG** Stranded (7x33) Conductor • (3) TC, (4) TCCS • Tinned Copper Spiral Wrapped Shield (86% Coverage)

### FPE Insulation • Chrome PVC Jacket

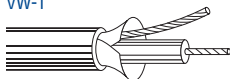
Low-Capacitance 80°C	8421	—	1	—	250	76.2	4.5	2.0	.051	1.30	.023	.58	.180	4.57	16	53
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**24 AWG** Uni-strand (7x32) Tinned Copper Conductor • Beldfoil Shield (100% Coverage)

### Flame-retardant Polypropylene Insulation • Black PVC Jacket

UL AWM Style 1770 (300V 80°C) VV-1	9264	—	1	—	1000	304.8	14.0	6.4	.027	.69	.020	.51	.122	3.10	30	99
													x	x		
													.146	3.71		



Nominal impedance: 50 ohms.  
Tear-drop, machine strippable coaxial cable.

**Dual Channel • 30 AWG** Stranded (7x38) TCCS Conductors • Individual Tinned Copper Spiral Wrapped Shield (85% Coverage)

### FPE Insulation • Black PVC Jacket • Polarity Ribbed

Low-Capacitance 70°C	9454	—	2	—	100	30.5	3.5	1.6	.049	1.24	.020	.51	.160	4.06	12	39
													x	x	each	
													.320	8.13	channel	

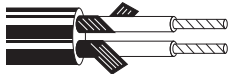


Stereo connecting cable

**Dual Channel • 25 AWG** Stranded (7x38) Conductors • (3) TC, (4) TCCS • Individual TC Spiral Wrapped Shield (90% Coverage)

### Polyethylene Insulation • Gray PVC Jacket • Polarity Rib on Red Conductor

80°C	8416	—	2	—	250	76.2	4.8	2.2	.018	.46	.020	.51	.106	2.69	36	118
													x	x	each	
													.213	5.41	channel	



For use with head sets, stereo and language labs.

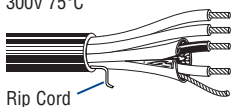
FPE = Foam Polyethylene • TC = Tinned Copper • TCCS = Tinned Copper-covered Steel

\*Capacitance between conductors.

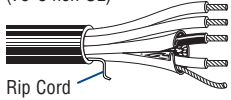
## Special Application Audio, Communication and Instrumentation Cable

### Multimedia Control Cables



Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
<b>22 AWG</b> Stranded (7x30) TC Conductors (Data), STP w/Beldfoil®, TC Drain Wire • <b>18 AWG</b> (16x30) TC Conductors (Power), Unshielded Pair																		
<b>FPE Insulation (Data) • F-R PVC Insulation (Power) • F-R PVC Jacket (Available in Black, White or Aqua)</b>																		
300V 75°C	<b>1502R</b>	NEC:	1 STP	Pair:	500	152.4	20.0	9.1	Data:	.039	.99	.250	6.35	14	46	38	125	
 Rip Cord		CMR CEC: CMG FT4	+2/C	White Cond.: Red, Black	1000	304.8	44.0	20.0	.025 Power: .013	.64 .33	22 AWG Data Pair Impedance: 100Ω							

Sequential footing marking every two feet.

<b>22 AWG</b> (7x30) TC Conductors, STP w/Beldfoil, TC Drain Wire • <b>18 AWG</b> (16x30) TC Conductors Unshielded • Polypropylene Binder Tape																	
<b>Plenum • Foam FEP Insulation (Data) • Flamarrest® Insulation (Power) • Natural Flamarrest Jacket</b>																	
300V 60°C (75°C non-UL)	<b>1502P</b>	NEC:	1 STP	Pair:	1000	304.8	31.0	14.1	Data:	.015	.381	.205	5.21	14	46	38	125
 Rip Cord		CMP CEC: CMP FT6	+2/C	Blue, White Cond.: Red, Black					.025 Power: .011	.64 .28	22 AWG Data Pair Impedance: 100Ω						

BC = Bare Copper • DCR = DC Resistance • EPDM = Ethylene Propylene Diene Monomer • FEP = Fluorinated Ethylene Propylene • FPE = Foam Polyethylene • F-R = Flame-retardant • STP = Shielded Twisted Pair • TC = Tinned Copper

\*Capacitance between conductors.

\*\*Capacitance between one conductor and other conductors connected to shield.

## Special Application Audio, Communication and Instrumentation Cable

### Microphone/Musical Instrument Cables



Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

**Mic • 20 AWG** Stranded (19x32) High-conductivity TC Conductors, Cabled • Rayon Braid • TC Braid Shield (84% Coverage)

#### Polyethylene Insulation • Chrome PVC Jacket

<b>Low-Impedance</b>	<b>8405</b>	—	5	Black,	250	46.2	14.8	6.7	.016	.41	.035	.89	.281	7.14	23	76	40	131
UL AWM Style 2094 (300V 60°C)				Clear,	500	152.4	29.5	13.4										
VW-1				Green,	1000	304.8	63.0	28.6										
				Red,														
				Blue														



**Mic • 20 AWG** Stranded (26x34) High-conductivity TC Conductors, Cabled • Cotton Wrap • Rayon Braid • TC Braid Shield (85% Coverage)

#### Rubber Insulation • Black EPDM Rubber Jacket

<b>Low-Impedance</b>	<b>8425</b>	—	5	Blue,	100	30.5	7.8	3.5	.023	.58	.031	.79	.318	8.08	30	98	55	180
600V RMS 90°C (60°C non-UL)				Orange,	250	46.2	17.3	7.8										
				Black,														
				White,														
				Brown														
	<b>8426</b>	—	6	(Same as 8425)	100	30.5	9.0	4.1	.023	.58	.037	.94	.342	8.69	30	98	55	180
				+ Green	250	46.2	21.0	9.5										
	<b>8427</b>	—	7	(Same as 8426)	100	30.5	9.8	4.5	.023	.58	.041	1.04	.355	9.02	30	98	55	180
				+ Red	250	46.2	22.3	10.1										
	<b>8418</b>	—	8	(Same as 8427)	100	30.5	11.0	5.0	.023	.58	.037	.94	.381	9.68	30	98	55	180
				+ Yellow	250	46.2	25.0	11.3										

EPDM = Ethylene Propylene Diene Monomer • TC = Tinned Copper

\*Capacitance between conductors.

\*\*Capacitance between one conductor and other conductors connected to shield.

## Communication and Control Cable

Pro Audio and Intercom Systems  
Unshielded



**Unshielded,  
Pairs or Multi-conductor**  
CM FT1 Rated\*

### Product Description

Bare copper conductors, polypropylene (multiconductor) or polyolefin (paired) insulation, PVC jacket with rip cord (except 5626UG and 5624UG which do not have rip cord).

**5500 Series** available in Beige, Brown, Orange, Yellow, Green, Blue, Purple, Gray or White jacket colors (except as noted in footnote). Conductors may not be cabled. Sequential footage marking every two feet. **5600 Series** available in Dark Gray.

**Color Code:** See charts below.

### Specifications

<b>Conductor</b>	Bare Copper
<b>Insulation</b>	
Multiconductor	Polypropylene
Paired	Polyolefin
<b>Insulation Thickness</b>	
5500 Series	.0060" (.152mm)
5600 Series	.0065" (.165mm)
<b>Jacket</b>	PVC
<b>Approvals</b>	
NEC	CM
CEC	CM FT1*
<b>Voltage Rating</b>	300V

\*Only 5520UG and 5522UG are CEC/CM FT1 rated

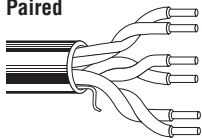
### Applications (5500)

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

### Applications (5600)

- Nurse Call Systems
- Annunciators
- Voice Systems
- Paging
- Commercial Sound Systems

### Paired



### Multi-conductor



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, Pairs** (NEC CM and CEC CM FT1)

24 AWG, Cat. 5e										
<b>5662UG</b> <small>NEW</small>	6	solid	1000	304.8	16.0	8.62	—	—	.172	4.37

**Unshielded, Multi-conductor** (NEC CM and CEC CM)

24 AWG										
<b>5626UG</b> <small>NEW</small>	8	solid	1000	304.8	29.0	13.15	.030	.762	.093	2.36
									X	X
									.324	8.23
<b>5624UG</b> <small>NEW</small>	6	solid	1000	304.8	19.0	8.62	.024	.610	.081	2.06
									X	X
									.246	6.25

**Unshielded Multi-conductor** (NEC CM and CEC CM FT1)

22 AWG										
<b>5522UG</b> <sup>†</sup> <small>NEW</small>	4	solid	C-500	C-152	6.0	2.7	.015	.38	.122	3.10
			C-1000	C-305	12.0	5.4				
<b>5520UG</b> <small>NEW</small>	2	solid	C-500 ♦	C-152	3.5	1.6	.015	.38	.106	2.69
			C-1000	C-305	7.0	3.2				

<sup>†</sup> 5522UG available in White only.

♦ 5520UG C-500 ft. put-up available in Gray or White only.

### Color Code Chart — Paired (5662UG)

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

### Color Code Chart (5626UG)

Cond. No.	Color
1	Yellow
2	Blue
3	Black
4	Orange
5	Red
6	Green
7	White
8	Purple

### Color Code Chart (5624UG)

Cond. No.	Color
1	Blue
2	Black
3	Orange
4	Red
5	Green
6	White

### Color Code Chart (5522UG, 5520UG)

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

## Communication and Control Cable

Pro Audio and Intercom Systems  
Unshielded, Plenum-Rated



**Unshielded,  
Pairs or Multi-conductor**  
CMP FT6 Rated

### Product Description

24 AWG solid bare copper conductors,  
FEP insulation, Dark Gray Flamarrest® jacket  
with rip cord.

**Color Code:** See Charts below.

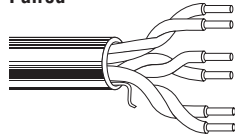
### Specifications

<b>Conductor</b>	Bare Copper
<b>Insulation</b>	FEP
<b>Insulation Thickness</b>	.007" (.178mm)
<b>Jacket</b>	Flamarrest
<b>Nominal Capacitance</b>	15 pF/ft.
<b>Approvals</b>	
NEC	CMP
CEC	CMP FT6
<b>Voltage Rating</b>	300V

### Applications

- Nurse Call Systems
- Commercial Sound Systems
- Annunciators
- Voice Systems
- Paging

Paired



Multi-conductor



Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm

**Plenum-rated, Unshielded, Pairs** (NEC CMP and CEC CMP FT4, FT6)

#### 24 AWG, Cat. 5e

<b>6662UG</b> <small>NEW</small>	6	solid	1000	304.8	23.0	10.4	—	—	.165	4.19
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**Plenum-rated, Unshielded, Multi-conductor** (NEC CMP and CEC CMP FT6)

#### 24 AWG

<b>6626UG</b> <small>NEW</small>	8	solid	1000	304.8	28.0	12.70	.019	.483	.072	1.83
									x	x
									.310	7.87
<b>6624UG</b> <small>NEW</small>	6	solid	1000	304.8	21.0	9.53	.019	.483	.072	1.83
									x	x
									.246	6.25

#### Color Code Chart

(6662UG)

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

#### Color Code Chart

(6626UG)

Cond. No.	Color
1	Yellow
2	Blue
3	Black
4	Orange
5	Red
6	Green
7	White
8	Purple

#### Color Code Chart

(6624UG)

Cond. No.	Color
1	Blue
2	Black
3	Orange
4	Red
5	Green
6	White



## Communication and Control Cable

Pro Audio and Intercom Systems  
Shielded, Plenum-Rated



### Shielded Multi-conductor

CMP FT6 Rated

#### Product Description

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

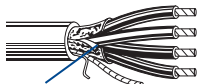
**Color Code:** See chart below.

#### Specifications

<b>Conductor</b>	Bare Copper
<b>Insulation</b>	FEP
<b>Insulation Thickness</b>	
22 AWG	.0055" (.140mm)
20 AWG	.0060" (.152mm)
18 AWG	.0060" (.152mm)
<b>Shield</b>	Beldfoil
<b>Jacket</b>	Flamarrest
<b>Approvals</b>	
NEC	CMP
CEC	CMP FT6
<b>NEC Articles</b>	800
<b>Voltage Rating</b>	300V
<b>Temperature Rating</b>	75°C

#### Applications

- Pro Audio Systems
- Intercom/PA Systems
- Security Systems



Shorting Fold

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 CMP and CEC CMP FT6)

22 AWG										
<b>6500FC</b>	2	7	U-1000	U-305	11.0	5.0	.015	.38	.116	2.95
			1000	305	11.0	5.0				
<b>6502FC</b>	4	7	1000	305	18.0	8.2	.015	.38	.133	3.38
20 AWG										
<b>6400FC</b>	2	7	U-1000	U-305	15.0	6.8	.015	.38	.133	3.38
18 AWG										
<b>6300FC</b>	2	7	U-1000	U-305	23.0	10.4	.017	.42	.155	3.94
			1000	305	22.0	10.0				
<b>6302FC</b>	4	7	U-1000	U-305	34.0	15.5	.017	.42	.179	4.55
			1000	305	36.0	16.3				

#### Color Code Chart

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

## Communication and Control Cable

Pro Audio and Intercom Systems  
Overall Shielded, Plenum-Rated



### Overall Shielded Pairs

CMP FT6 Rated

### Product Description

Bare copper conductors, FEP insulation, twisted pairs cabled with a Beldfoil® shield tape (foil side out) and drain wire. Natural Flamarrest® jacket.

**Color Code:** Black & Red and Black & White pairs.

### Specifications

<b>Conductor</b>	Bare Copper
<b>Insulation</b>	FEP
<b>Insulation Thickness</b>	.0060" (.152mm)
<b>Shield</b>	Beldfoil
<b>Jacket</b>	Flamarrest
<b>Approvals</b>	
NEC	CMP
CEC	CMP FT6
<b>NEC Articles</b>	800
<b>Voltage Rating</b>	300V
<b>Temperature Rating</b>	75°C

### Applications

- Pro Audio Systems
- Intercom/PA Systems
- Security Systems



Part No.	No. of Pairs	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm

### Overall Shielded Pairs (NEC CMP and CEC CMP FT6)

24 AWG										
<b>6641FC</b>	2	7	U-500	U-152	8.0	3.6	.015	.38	.164	4.17

## Communication and Control Cable

Pro Audio and Intercom Systems  
Individually Shielded, Plenum-Rated



### Individually Shielded Twisted Pairs

CMP FT6 Rated

#### Product Description

Bare copper conductors, FEP insulation (per table). Conductors twisted into pairs and individually shielded with Beldfoil® tape (aluminum side facing in) and a drain wire, multiple pairs cabled together, Gray Fluorocopolymer (22 AWG) or Natural Flammarrest® (18 AWG) jacket, rip cord. Sequential footage marking every two feet.

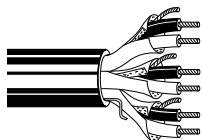
**Color Code:** See chart below.

#### Specifications

<b>Conductor</b>	Bare Copper
<b>Insulation</b>	FEP
<b>Insulation Thickness</b>	.010" (.254mm)
<b>Shield</b>	Beldfoil
<b>Jacket</b>	
22 AWG	Gray Fluorocopolymer
18 AWG	Natural Flammarrest
<b>Nominal Capacitance</b>	
22 AWG	27.5 pF/ft.
18 AWG	44 pF/ft.
<b>Approvals</b>	
NEC	CMP
CEC	CMP FT6
<b>NEC Articles</b>	800
<b>Voltage Rating</b>	300V
<b>Temperature Rating</b>	75°C

#### Applications

- Security Systems
- Intercom/PA Systems
- Sound/Audio Systems
- Power-Limited Controls
- Analog Multi-pair Snakes



Part No.	No. of Pairs	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm

#### Individually Shielded Twisted Pairs (NEC CMP and CEC CMP FT6)

22 AWG										
<b>6541PA</b>	2	7	500	152	13.5	6.1	.015	.38	.214	5.44
			U-1000	U-305	26.0	11.8				
			1000	305	27.0	12.3				
<b>6542PA</b>	3	7	1000	305	36.0	16.3	.015	.38	.228	5.79
<b>6543PA</b>	4	7	1000	305	45.0	20.4	.015	.38	.252	6.40
<b>6545PA</b>	6	7	1000	305	60.0	27.2	.015	.38	.300	7.62
<b>6546PA</b>	8	7	1000	305	85.0	38.6	.017	.42	.332	8.43
<b>6548PA</b>	12	7	1000	305	125.0	56.8	.017	.42	.408	10.36
<b>6549PA</b>	16	7	1000	305	162.0	73.5	.017	.42	.457	11.61
18 AWG										
<b>6341PC</b>	2	7	500	152	26.5	12.0	.017	.42	.281	7.14
			U-1000	U-305	47.0	21.3				
			1000	305	49.0	22.2				
<b>6342PC</b>	3	7	500	152	32.0	14.5	.017	.42	.300	7.62
			1000	305	64.0	29.0				
<b>6343PC</b>	4	7	1000	305	83.0	37.7	.017	.42	.332	8.43
<b>6345PC</b>	6	7	500	152	66.5	30.2	.019	.48	.402	10.21
			1000	305	132.0	59.9				

#### Color Code Chart

Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination
1	Black & Red	6	Black & Brown	11	Red & Yellow
2	Black & White	7	Black & Orange	12	Red & Brown
3	Black & Green	8	Red & White	13	Red & Orange
4	Black & Blue	9	Red & Green	14	Green & White
5	Black & Yellow	10	Red & Blue	15	Green & Blue
				16	Green & Yellow