

Description:

22 AWG bare copper conductors, PP insulation, cabled, Beldfoil® shield tape (foil side out) with drain wire, PVC jacket with ripcord. Sequential footage marking every two feet.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
6	22	7x30	BC - Bare Copper

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PP - Polypropylene	0.007

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire	Conductor Material
24	7x32	TC - Tinned Copper	

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.017

Outer Jacket Ripcord: Yes

Overall Cabling

Overall Cabling Lay Length & Direction:

Length (in.)
2.500

Overall Cabling Color Code Chart:

Color
Black
Red
White
Green
Brown
Blue

Overall Nominal Diameter: 0.164 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 27.200 lbs/1000 ft.

5504FE Multi-Conductor - Commercial Applications

Max. Recommended Pulling Tension:	60.100 lbs.
Min. Bend Radius (Install)/Minor Axis:	1.625 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMR
NEC Articles:	800
CEC/C(UL) Specification:	CMG
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flame Test

UL Flame Test:	UL1666 Vertical Shaft
CSA Flame Test:	FT4

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6504FE

Surface Printing (Overall)

Surface Printing:	NEW GENERATION(R) BY BELDEN-M 5504FE CMR 75C 6C22 SHIELDED (UL) E108998 OR C(UL) CMG (2 FT., 7 DIGIT SEQUENTIAL) FEET
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Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
24.000

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
43.250

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
16.4

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
15.3

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
2 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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5504FE Multi-Conductor - Commercial Applications

5504FE 008U1000	1,000 FT	23.000 LB	GRAY		6 #22 PP FS FRPVC
5504FE 008U500	500 FT	12.000 LB	GRAY		6 #22 PP FS FRPVC
5504FE 0081000	1,000 FT	29.000 LB	GRAY	C	6 #22 PP FS FRPVC

Notes:

C = CRATE REEL PUT-UP.

Security and Alarm Cable

Commercial Applications
Shielded



Shielded Multi-conductor CMR/CMG FT4 Rated

Product Description

Bare copper conductors, PVC insulation, 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.

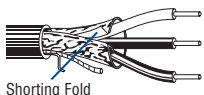
Specifications

Conductor	Bare Copper
Insulation	PVC
Insulation Thickness	.010" (.254mm)
Shield	Beldfoil
Jacket	PVC
Approvals	
NEC	CMR
CEC	CMG FT4
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

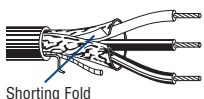
Applications

- Security Systems
- Intercom/PA Systems
- Sound/Audio Systems
- Power-Limited Controls

Solid Conductor



Stranded Conductor



Color Code Chart

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

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 5.4 5.4	.015	.38	.130	3.30
5521FE	3	solid	U-1000 1000	U-305 305	12.0 12.0	5.4 5.4	.015	.38	.132	3.35
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
5502FE	4	7	C-500 U-500 500 U-1000 1000	C-152 U-152 152 U-305 305	8.5 9.5 9.5 18.0 18.0	3.9 4.3 4.3 8.2 8.2	.015	.38	.152	3.86
5503FE	5	7	1000	305	22.0	10.0	.015	.38	.165	4.19
5504FE	6	7	C-500 U-500 U-1000 1000	C-152 U-152 U-305 305	13.5 15.0 29.0 29.0	6.1 6.8 13.2 13.2	.015	.38	.179	4.55
5506FE	8	7	U-500 U-1000 1000	U-152 U-305 305	16.5 32.0 32.0	7.5 14.5 14.5	.015	.38	.196	4.98
5508FE	10	7	U-500 U-1000 1000	U-152 U-305 305	19.5 38.0 44.0	8.9 17.2 20.0	.015	.38	.230	5.84
20 AWG										
5400FE	2	7	C-500 U-500 500 U-1000 1000	C-152 U-152 152 U-305 305	8.0 9.0 8.5 17.0 17.0	3.6 4.1 3.9 7.2 7.2	.015	.38	.145	3.68
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
5402FE	4	7	C-500 U-500 500 U-1000 1000	C-152 U-152 152 U-305 305	12.0 12.5 13.0 25.0 26.0	5.4 5.7 5.9 11.3 11.8	.015	.38	.168	4.27
5403FE	5	7	U-1000 1000	U-305 305	30.0 30.0	13.6 13.6	.015	.38	.184	4.67
5405FE	7	7	U-1000 1000	U-305 305	39.0 40.0	17.7 18.2	.015	.38	.201	5.11
5407FE	9	7	1000	305	51.0	23.2	.015	.38	.236	5.99