



Description:

22 AWG Bare copper conductors, PP insulation, PVC jacket with ripcord. Sequential footage marking every two feet.

Usage (Overall)

Suitable Applications: Security Systems, Intercom/PA Systems, Sound/Audio Systems, Power Limited Controls, and Single Line Telephone.

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 Material
Unshielded

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.)	Twists (ft.)
2.500	4.800

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	White
4	Green
5	Brown
6	Blue

Overall Nominal Diameter: 0.160 in.

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 25.100 lbs/1000 ft.

5504UE Multi-Conductor - Commercial Applications

Max. Recommended Pulling Tension:	54.600 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
C(UL) Flame Test:	FT4

Plenum/Non-Plenum

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

Surface Printing (Overall)

Surface Printing:	NEW GENERATION(R) BY BELDEN-M 5504UE CMR 75C 6C22 (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)
20.000

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
16.2

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
5504UE 008U1000	1,000 FT	20.000 LB	GRAY		6 #22 PP FRPVC
5504UE 0081000	1,000 FT	20.000 LB	GRAY	C	6 #22 PP FRPVC
5504UE 008500	500 FT	10.000 LB	GRAY		6 #22 PP FRPVC
5504UE 009C500	500 FT	9.500 LB	WHITE		6 #22 PP FRPVC
5504UE 009U1000	1,000 FT	20.000 LB	WHITE		6 #22 PP FRPVC
5504UE 009U500	500 FT	10.500 LB	WHITE		6 #22 PP FRPVC

Notes:

C = CRATE REEL PUT-UP.

Security and Alarm Cable

Commercial Applications
Unshielded



Unshielded Multi-conductor CMR/CMG FT4 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	.010" (.254mm)
Jacket	PVC
Approvals	
NEC	CMR
CEC	CMG FT4
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

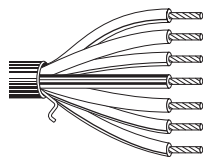
Applications

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

Solid Conductor



Stranded Conductor



Color Code Chart ††

Cond. No.	Color	Cond. No.	Color
1	Black	11	Pink
2	Red	12	Tan
3	White	13	White/Black
4	Green	14	White/Red
5	Brown	15	White/Green
6	Blue	16	White/Orange
7	Orange	17	White/Blue
8	Yellow	18	White/Brown
9	Purple	19	White/Yellow
10	Gray	20	White/Purple

††Except 5582UE which is Black, Red, Yellow, Green for use as station wire.

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 U-500 C-1000 U-1000 1000	C-152 U-152 C-305 U-305 305	4.0 5.5 8.0 9.0 9.0	1.8 2.5 3.6 4.1 4.1	.015	.38	.122	3.10
5500UE	2	7	C-500 U-500 500 C-1000 U-1000 1000	C-152 U-152 152 C-305 U-305 305	4.0 5.5 5.5 8.0 10.0 9.0	1.8 2.5 2.5 3.6 4.5 4.1	.015	.38	.128	3.25
5501UE	3	7	U-1000 1000	U-305 305	13.0 13.0	5.9 5.9	.015	.38	.135	3.43
5522UE	4	solid	U-1000 1000	U-305 305	16.0 16.0	7.3 7.3	.015	.38	.141	3.58
5582UE*	4	solid	C-500 U-500 U-1000 1000	C-152 U-152 U-305 305	7.0 6.5 12.0 12.0	3.2 3.0 5.5 5.5	.015	.38	.141	3.58
5502UE**	4	7	C-500 U-500 U-1000 1000	C-152 U-152 U-305 305	7.5 9.0 16.0 16.0	3.4 4.1 7.3 7.3	.015	.38	.148	3.76
5503UE	5	7	U-1000 1000	U-305 305	20.0 20.0	9.1 9.1	.015	.38	.162	4.11
5524UE	6	solid	C-500 1000	C-152 305	10.5 22.0	4.8 10.0	.015	.38	.168	4.27
5504UE**	6	7	C-500 U-500 500 U-1000 1000	C-152 U-152 152 U-305 305	12.5 14.0 13.5 27.0 27.0	5.7 6.4 6.1 12.3 12.3	.015	.38	.177	4.50
5526UE	8	solid	1000	305	28.0	12.7	.015	.38	.182	4.62
5506UE	8	7	U-1000 1000	U-305 305	29.0 30.0	13.2 13.6	.015	.38	.192	4.88
5508UE	10	7	U-1000 1000	U-305 305	36.0 41.0	16.3 18.6	.015	.38	.226	5.74
5529UE	12	solid	U-1000 1000	U-305 305	40.0 42.0	18.1 19.1	.015	.38	.221	5.61
5509UE	12	7	U-500 U-1000 1000	U-152 U-305 305	21.5 42.0 47.0	9.8 19.1 21.4	.015	.38	.233	5.92
20 AWG										
5400UE	2	7	C-500 U-1000 1000	C-152 U-305 305	6.0 13.0 13.0	2.7 5.9 5.9	.015	.38	.142	3.61
5401UE	3	7	500 U-1000 1000	152 U-305 305	9.0 18.0 18.0	4.1 8.2 8.2	.015	.38	.150	3.81
5402UE	4	7	C-500 U-1000 1000	C-152 U-305 305	10.5 23.0 23.0	4.8 10.5 10.5	.015	.38	.165	4.19
5403UE	5	7	U-1000 1000	U-305 305	27.0 28.0	12.2 12.7	.015	.38	.181	4.60
5405UE	7	7	500 1000	152 305	19.0 40.0	8.6 18.2	.015	.38	.198	5.03
5406UE	8	7	U-1000 1000	U-305 305	41.0 43.0	18.6 19.5	.015	.38	.215	5.46
5407UE	9	7	1000	305	48.0	21.8	.015	.38	.233	5.92
5408UE	10	7	1000	305	53.0	24.1	.015	.38	.254	6.45
5409UE	12	7	1000	305	62.0	28.1	.015	.38	.262	6.65
540BUE	20	7	1000	305	110.0	49.9	.025	.64	.347	8.81

* 5582UE also available in Beige, Brown or White.

** 5502UE and 5504UE also available in White.