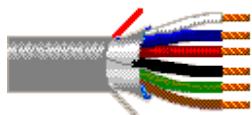


# Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION

**BELDEN**  
SENDING ALL THE RIGHT SIGNALS

## 6504FE Multi-Conductor - Commercial Applications



For more Information  
please call

1-800-Belden1



### Description:

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

### Physical Characteristics (Overall)

#### Conductor

AWG:

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

#### Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.229

#### Outer Shield

Outer Shield Material:

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

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.381

Outer Jacket Ripcord: Yes

### Overall Cabling

Overall Cabling Color Code Chart:

Color
Black
Red
White
Green
Brown
Blue

Overall Nominal Diameter: 4.445 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range: 0°C To +75°C

Bulk Cable Weight: 36.312 Kg/Km

Max. Recommended Pulling Tension: 267.337 N

Min. Bend Radius (Install)/Minor Axis: 45.720 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

# Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

## 6504FE Multi-Conductor - Commercial Applications

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:	NFPA 262
CSA Flame Test:	FT6

### Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	5504FE

## Electrical Characteristics (Overall)

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
108.273

### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
193.579

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
53.1522

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
50.1993

### Max. Operating Voltage - UL:

Voltage
300 V RMS

### Max. Recommended Current:

Current
2 Amps per conductor @ 25°C

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6504FE 004U1000	305 MT	11.793 KG	YELLOW		6 #22 FLRST FS FLRST
6504FE 0041000	305 MT	11.793 KG	YELLOW		6 #22 FLRST FS FLRST
6504FE 0071000	305 MT	11.793 KG	VIOLET		6 #22 FLRST FS FLRST
6504FE 877C500	152 MT	4.082 KG	NATURAL		6 #22 FLRST FS FLRST
6504FE 877U1000	305 MT	11.793 KG	NATURAL		6 #22 FLRST FS FLRST
6504FE 877U500	152 MT	6.124 KG	NATURAL		6 #22 FLRST FS FLRST
6504FE 8771000	305 MT	11.793 KG	NATURAL	C	6 #22 FLRST FS FLRST
6504FE 877500	152 MT	6.124 KG	NATURAL	C	6 #22 FLRST FS FLRST

### Notes:

C = CRATE REEL PUT-UP.

# Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



## 6504FE Multi-Conductor - Commercial Applications

Revision Number: 1 Revision Date: 04-14-2008

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