

5502FE Multi-Conductor - Commercial Applications



For more Information
please call

1-800-Belden1

**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
4	22	7x30	BC - Bare Copper

Insulation**Insulation Material:**

Insulation Material	Wall Thickness (mm)
PP - Polypropylene	0.178

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 (mm)
PVC - Polyvinyl Chloride	0.432

Outer Jacket Ripcord: Yes

Overall Cabling**Overall Cabling Lay Length & Direction:**

Length (mm)	Twists (m.)
63.500	1.463

Overall Cabling Color Code Chart:

Color
Black
Red
White
Green

Overall Nominal Diameter: 3.531 mm

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 25.299 Kg/Km

Max. Recommended Pulling Tension: 186.824 N

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Min. Bend Radius (Install)/Minor Axis: 34.925 mm

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:	6502FE

Surface Printing (Overall)

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
78.744

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
141.903

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
53.8084

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
52.8241

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
2.2 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
5502FE 008U1000	305 MT	8.618 KG	GRAY		4 #22 PP FS FRPVC

METRIC MEASUREMENT VERSION

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5502FE 008U500	152 MT	4.309 KG	GRAY		4 #22 PP FS FRPVC
5502FE 0081000	305 MT	8.165 KG	GRAY	C	4 #22 PP FS FRPVC
5502FE 008500	152 MT	4.309 KG	GRAY		4 #22 PP FS FRPVC

Notes:

C = CRATE REEL PUT-UP.

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