Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



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 (in.)		
PP - Polypropylene	0.007		

Outer Shield:

Outer Shield Material

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

Yes

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

Overall Cabling:

Overall Cabling Lay Length & Direction



Overall Cabling Color Code Chart

Color
Black
Red
White
Green

Overall Nominal Diameter: 0.139 in.

Mechanical Characteristics (Overall):

Operating Temperature Range	-20°C To +75°C
UL Temperature Rating	75°C
Bulk Cable Weight:	17 lbs/1000 ft.
Max. Recommended Pulling Tension:	42 lbs.
Min. Bend Radius (Install)/Minor Axis:	1.375 in.

Page 1 of 3 07-03-2008

Detailed Specifications & Technical Data ENGLISH MEASUREMENT VERSION



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Applicable Specifications and Agency Compliance (Overall):

Applicable Standards:	CMR
NEC/(UL) Specification	
NEC Articles	800
CEC/C(UL) Specification	CMG
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	04/01/2005
Flame Test: UL Flame Test	UL1666 Vertical Shaft
CSA Flame Test	FT4
Plenum/Non-Plenum:	
Plenum (Y/N)	No
Plenum Number	6502FE

Electrical Characteristics (Overall):

Nom. Capacitance Conductor to Conductor



Nom. Capacitance Cond. to Other Conductor & Shield

Capacitance (pF/ft) 43.250

Nom. Conductor DC Resistance



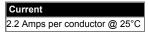
Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft) 16.100

Max. Operating Voltage - UL

Voltage 300 V RMS

Max. Recommended Current



PUT UPS AND COLORS:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5502FE 0081000	1,000 FT	18.000 LB	GRAY	С	4 #22 PP FS FRPVC GRY
5502FE 008500	500 FT	9.500 LB	GRAY		4 #22 PP FS FRPVC GRY
5502FE 008U1000	1,000 FT	19.000 LB	GRAY		4 #22 PP FS FRPVC GRY
5502FE 008U500	500 FT	9.500 LB	GRAY		4 #22 PP FS FRPVC GRY

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 06-02-2008

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Page 3 of 3 07-03-200