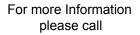
Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

5541FE Multi-Conductor - Commercial Applications



1-800-Belden1



Description:

22 AWG bare copper conductors, PP insulation, conductors twisted into pairs, multiple pairs cabled together, overall Beldfoil® shield (foil side out) and drain wire, overall PVC jacket with rip cord. Sequential footage marking every two feet.

lootage marking every two leet.	
Physical Characteristics (Overall)	
Conductor	
AWG:	
# Pairs AWG Stranding Conductor Material 2 22 7x30 BC - Bare Copper	
Insulation Insulation Material:	
Insulation Material	
PP - Polypropylene	
Outer Shield	
Outer Shield Material:	
Outer Shield Trade Name Outer Shield Material	
Beldfoil® Aluminum Foil-Polyester	Таре
Outer Shield Drain Wire AWG:	
AWG Drain Wire Conductor Material	
24 TC - Tinned Copper	
Outer Jacket	
Outer Jacket Material:	
Outer Jacket Material Nom. Wall Thickness (in. PVC - Polyvinyl Chloride 0.017	2
Overall Cable	0.400 %
Overall Nominal Diameter:	0.189 in.
Pair Pair Color Code Chart:	
Number Color	
1 Black & Red	
2 Black & White	
Mechanical Characteristics (Overall)	
	-20°C To +75°C
Operating Temperature Range:	
Bulk Cable Weight:	19.500 lbs/1000 ft.
Max. Recommended Pulling Tension:	41.900 lbs.
Min. Bend Radius (Install)/Minor Axis:	1.900 in.
Applicable Specifications and Agency (Compliance (Overall)
Applicable Standards & Environmental Pro	ograms
NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG

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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:	6541FE	

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft) 26.000

20.000

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance	(pF/ft)
47.000	

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

16.3

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

13.9

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
5541FE 008U1000	1,000 FT	21.000 LB	GRAY		2 PR #22 PVC FS FRPVC
5541FE 0081000	1,000 FT	23.000 LB	GRAY	С	2 PR #22 PVC FS FRPVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 08-18-2009

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Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications

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