

## 5541FE Multi-Conductor - Commercial Applications



For more Information  
please call

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.

**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 Tape

**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

**Overall Cable**

Overall Nominal Diameter: 0.189 in.

**Pair****Pair Color Code Chart:**

Number	Color
1	Black & Red
2	Black & White

**Mechanical Characteristics (Overall)**

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

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 Programs**

NEC/(UL) Specification: CMR

CEC/C(UL) Specification: CMG

## 5541FE 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:	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

## Nom. Capacitance Cond. to Other Conductor &amp; 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 008I000	1,000 FT	23.000 LB	GRAY	C	2 PR #22 PVC FS FRPVC

## Notes:

C = CRATE REEL PUT-UP.

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