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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 (mm)
PVC - Polyvinyl Chloride	0.432

### Overall Cabling

Overall Nominal Diameter: 4.801 mm

#### 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:	29.020 Kg/Km
Max. Recommended Pulling Tension:	186.380 N
Min. Bend Radius (Install)/Minor Axis:	48.260 mm

### 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/m)
85.306

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

Capacitance (pF/m)
154.207

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
53.4803

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
45.6059

## 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	305 MT	9.525 KG	GRAY		2 PR #22 PVC FS FRPVC
5541FE 008I1000	305 MT	10.433 KG	GRAY	C	2 PR #22 PVC FS FRPVC

## Notes:

C = CRATE REEL PUT-UP.

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## 5541FE Multi-Conductor - Commercial Applications

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