Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION

5522FL Multi-Conductor - Commercial Applications

For more Information
please call

1-800-Belden1

Description:

22 AWG bare copper conductors, PVC insulation, conductors cabled together, Beldfoil® shield and drain wire, PVC jacket with ripcord, sequential footage marking every two feet.

Usage (Overall)

Suitable Applications: Fire Protection, Alarm, Signal, Monitor/Detection, Audio Circuits, Control Circuits, Initiating Circuits, Notification Circuits

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
4	22	Solid	BC - Bare Copper

Total Number of Conductors: 4

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.254

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Outer Shield Material	Coverage (%)
Beldfoil®	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

Stranding	Drain Wire Conductor Material
Solid	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.381

Outer Jacket Ripcord: Yes

Overall Cable

Overall Cabling Lay Length & Direction:

Length (mm)	Twists (twist/m)
57.149775	17.3893

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	Brown
4	Blue

Overall Nominal Diameter: 3.683 mm

Mechanical Characteristics (Overall)

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

UL Temperature Rating:	75°C
Bulk Cable Weight:	26.044 Kg/Km
Max. Recommended Pulling Tension:	173.480 N
Min. Bend Radius/Minor Axis:	38.100 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	FPLR
NEC Articles:	760
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
Other Specification:	California State Fire Marshall

Flame Test

UL Flame Test:	UL1666 Vertical Shaft
CSA Flame Test:	FT4

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6522FL

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m)
0.59058

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
154.207

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
277.573

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
51.5117

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
39.0439

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
2.2 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5522FL 002U1000	305 MT	8.618 KG	RED		4 #22 PVC FS FRPVC
5522FL 0021000	305 MT	8.618 KG	RED		4 #22 PVC FS FRPVC

Revision Number: 2 Revision Date: 07-24-2009

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor’s inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden’s knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.
Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.