# **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.

	stage marking every two leet.				
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       Beldfoil®     Aluminum Foil-Polyester Ta	Coverage (%) ape 100				
Outer Shield Drain Wire AWG:					
StrandingDrain Wire Conductor MaterialSolidTC - 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)					

-20°C To +75°C

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Current

2.2 Amps per conductor @ 25°C

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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				
pplicable Specifications and Agency C	ompliance (Overall)				
opplicable Standards & Environmental Prog					
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				
lame Test					
UL Flame Test:	UL1666 Vertical Shaft				
CSA Flame Test:	FT4				
Plenum/Non-Plenum					
Plenum (Y/N):	No				
Plenum Number:	6522FL				
ectrical Characteristics (Overall)					
lom. Inductance:					
Inductance (μH/m) 0.59058					
lom. Capacitance Conductor to Conductor:					
Capacitance (pF/m) 154.207					
om. Capacitance Cond. to Other Conductor & Sl	hield:				
Capacitance (pF/m) 277.573					
lom. Conductor DC Resistance: DCR @ 20°C (Ohm/km)					
51.5117					
Ominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/km) 39.0439					
lax. Operating Voltage - UL: Voltage 300 V RMS lax. Recommended Current:					



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#### **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

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