Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



5503UE Multi-Conductor - Commercial Applications



For more Information please call

1-800-Belden1



General Description:

Security & Alarm Cable, Riser-CMR, 5-22 AWG stranded bare copper conductors with PVC insulation, PVC jacket with ripcord

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Usage (Overall)

Suitable Applications:

Security Systems, Intercom/PA Systems, Sound/Audio Systems, Power Limited Controls, and Single Line Telephone.

Physical Characteristics (Overall)

Conductor

AWG:

Conductors AWG Stranding Conductor Material
5 | 22 | 7x30 | BC - Bare Copper

Total Number of Conductors:

Insulation

Insulation Material:

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

Outer Shield

Outer Shield Material:

Outer Shield Material Unshielded

Outer Jacket

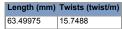
Outer Jacket Material:

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

Outer Jacket Ripcord: Yes

Overall Cable

Overall Cabling Lay Length & Direction:



Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	White
4	Green
5	Brown

Overall Nominal Diameter: 4.115 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	26.936 Kg/Km
Max. Recommended Pulling Tension:	202.393 N
Min. Bend Radius/Minor Axis:	38.100 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMR
NEC Articles:	800

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	CEC/C(UL) Specification: CMG					
	EU Directive 2011/65/EU (ROHS II):	Yes				
	EU CE Mark:	Yes				
	EU Directive 2000/53/EC (ELV):	Yes				
EU Directive 2002/95/EC (RoHS): Yes		Yes				
	EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005					
EU Directive 2002/96/EC (WEEE): Yes		Yes				
	EU Directive 2003/11/EC (BFR):	Yes				
	CA Prop 65 (CJ for Wire & Cable):	Yes				
	MII Order #39 (China RoHS):	Yes				
Fla	me Test					
	UL Flame Test:	UL1666 Vertical Shaft				
	C(UL) Flame Test:	FT4				
Ple	num/Non-Plenum					
	Plenum (Y/N):	No				
Sur	Surface Printing (Overall)					
	Surface Printing:	NEW GENERATION(R) BY BELDEN-M 5503UE CMR 75C 5C22 (UL) E108998 OR C(UL) CMG (2 FT., 7 DIGIT SEQUENTIAL) FEET				

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 82.025

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 53.1522

Max. Operating Voltage - UL:

300 V RMS

Max. Recommended Current:

2.2 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5503UE 008U1000	1,000 FT	20.000 LB	GRAY		5 #22 PVC FRPVC
5503UE 0081000	1,000 FT	20.000 LB	GRAY	С	5 #22 PVC FRPVC

Notes: C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 03-11-2013

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product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

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