Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



5100UE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled



For more Information please call

1-800-Belden1



Description:

14 AWG bare copper conductors, PP insulation, PVC jacket with ripcord, sequential footage marking every two feet.

Usage (Overall)

Suitable Applications: Intercom/PA Systems, Sound/Audio Systems, Fire Alarm (For color Red

only)(Dual Rated)

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	14	19x27	BC - Bare Copper

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PP - Polypropylene	0.279

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)		
PVC - Polyvinyl Chloride	0.432		

Outer Jacket Ripcord: Yes

Overall Cabling

Overall Cabling Lay Length & Direction:

Length (mm)	Twists (m.)
101.5996	0.9144

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White

Overall Nominal Diameter: 5.740 mm

Mechanical Characteristics (Overall)			
Operating Temperature Range:	-20°C To +75°C		
UL Temperature Rating:	75°C		
Bulk Cable Weight:	55.063 Kg/Km		
Max. Recommended Pulling Tension:	422.579 N		
Min. Bend Radius (Install)/Minor Axis:	57.150 mm		

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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CL3R, FPLR
NEC Articles:	725 or 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

Flame Test

UL Flame Test: UL1666 Vertical Riser

CSA Flame Test: FT4

Plenum/Non-Plenum

Plenum Number: 6100UE

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m) 0.49215

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 72.182

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 8.30093

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

Current 8 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
5100UE 0021000	305 MT	16.329 KG	RED	С	2 #14 PP FRPVC
5100UE 008U1000	305 MT	15.422 KG	GRAY		2 #14 PP FRPVC
5100UE 0081000	305 MT	16.329 KG	GRAY	С	2 #14 PP FRPVC
5100UE 008500	152 MT	8.165 KG	GRAY	С	2 #14 PP FRPVC
5100UE 0101000	305 MT	16.329 KG	BLACK	С	2 #14 PP FRPVC

Notes:

C = CRATE REEL PUT-UP.

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Revision Number: 3 Revision Date: 06-16-2008

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

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Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001 Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

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Офис по работе с юридическими лицами:

105318, г. Москва, ул. Щербаковская д. 3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru moschip.ru_6 moschip.ru_4 moschip.ru_9