Detailed Specifications & Technical Data



5309UE Multi-Conductor - Commercial Applications



For more Information please call

1-800-Belden1



General Description:

Security & Alarm Cable, Riser-CMR, 12-18 AWG stranded bare copper conductors with polyolefin insulation, PVC jacket with ripcord

Physical Characteristics (Overall)	
Conductor AWG:	
# Conductors AWG Stranding Conductor Material	
12 18 7x26 BC - Bare Copper	
Total Number of Conductors:	12
Insulation	
Insulation Material: Insulation Material Wall Thickness (in.)	
PP - Polypropylene 0.007	
Outer Shield Outer Shield Material:	
Outer Shield Material	
Unshielded	
Outer Jacket	
Outer Jacket Material:	
Outer Jacket Material Nom. Wall Thickness (in.)	
PVC - Polyvinyl Chloride 0.018	
Outer Jacket Ripcord:	Yes
Overall Cable	
Overall Cabling Lay Length & Direction:	
Length (in.) 5.000	
Overall Cabling Color Code Chart:	
Color	
Black	
Red	
White	
Green	
Brown Blue	
Orange	
Yellow	
Purple	
Gray	
Pink Tan	
Overall Nominal Diameter:	0.281 in.
Mechanical Characteristics (Overall)	
Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	84.600 lbs/1000 ft.
Max. Recommended Pulling Tension:	268.800 lbs.
Min. Bend Radius/Minor Axis:	2.750 in.

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



5309UE Multi-Conductor - Commercial Applications

N=C/UL/L Specification: C/MR N=C Arciales: 800 CEC/C(UL/) Specification: C/MG EU Directive 2011/65/EU (ROHS II): Yes EU Directive 2011/65/EU (ROHS II): Yes EU Directive 2002/85/EC (ROHS): Yes EU Directive 2002/85/EC (ROHR): Yes CUL/ Films Test: UL 1660 Verticial Riser CUL/ Films Test: UL 1660 Verticial Riser CUL/ Films Test: No Perum (YM): No Ream Conductor to Conductor: Solu/E Cut/ Conductor to Conductor: Solu/E Europerating Voltage - UL: Solu/E Solure Conductor to Conductor: Solure S	pplicable Specifications and Agency	Compliance (Overall)			
NEC Articles: 600 CEC/C (UL) Specification: CM/G EU Directive 2011/65/EU (ROHS II): Yes EU Directive 2001/65/EC (ELV): Yes EU Directive 2001/65/EC (ELV): Yes EU Directive 2001/65/EC (ROHS): Yes EU Directive 2002/95/EC (ROHS): Yes MID order #39 (China RoHS): Yes MID order #39 (China RoHS): Yes VL Flame Test: UL 1666 Vertical Riser VL Flame Test: UL 1666 Vertical Riser VL Flame Test: UL 1666 Vertical Riser VL Flame Test: Sapatiance Conductor to Conductor: Espaciatance (Drivina) No Plenum Number: 6309UE Concepatiance Conductor to Conductor: Sapatiance Conductor to Conductor:	Applicable Standards & Environmental Pro	ograms			
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 EU ROHS Compliance Date (mmidd/yyyy): C4/01/2005 EU Directive 2002/95/EC (WEEE): Yes Mill Order #39 (China RoHS): Yes Vue Fiame Test: UL 10660 Vertical Riser C(UL) Fiame Test: UL 10660 Vertical Riser C(UL) Fiame Test: UL 10660 Vertical Riser C(UL) Fiame Test: SoloyUE etrical Characteristics (Overall) SoloyUE om. capacitance conductor to Conductor: Capacitance Conductor to Conductor: Capacitance Conductor DC Rostistance: Directive 2002/95/EC (WEEE): Directive 2002/95/EC (WEEE): Yes Soloy YEANS Sa. Recommended Current:	NEC/(UL) Specification:	CMR			
EU Directive 2011/165/EU (ROHS II): Yes EU Directive 2003/53/EC (ELV): Yes EU Directive 2003/53/EC (ROHS): Yes EU RoHS Compliance Date (mmiddlyyyy): 04/01/2005 EU Directive 2003/94/EC (WEEE): Yes CA Prop 65 (CJ for Wire & Cable): Yes MI Order #39 (China RoHS): Yes Ium Test: UL 1666 Vertical Riser C(UL) Flame Test: UL 1666 Vertical Riser C(UL) Flame Test: UL 1666 Vertical Riser C(UL) Flame Test: 00 U 1666 Vertical Riser C(UL) Flame Test: 00 U 1666 Vertical Riser Plenum Number: 6300UE comodition: Capacitance Conductor to Conductor: Capacitance (pFif) 21.500 con. Conductor D C Resistance: DCR @ 20°C (Ohmif000 fi) gao V RMS Sao V RMS sa. Recommended Current: EVERNE Carrent Sa Ong Reper Conductor @ 25°C	NEC Articles:	800			
EU CE Mark: Yes EU Directive 2000/53/EC (ELV): Yes EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005 EU Directive 2002/96/EC (WEEE): Yes EU Directive 2002/97/EC (WEEE): Yes EU Directive 2002/97/EC (WEEE): Yes MID Order #39 (China RoHS): Yes VL Flame Test: UL fo65 Vertical Riser C(UL) Flame Test: UL fo65 Vertical Riser C(UL) Flame Test: FT4 Brounn/NOn-Plenum Plenum Number: Plenum Number: 6309UE eectrical Characteristics (Overall) Gange Sange	CEC/C(UL) Specification:	CMG			
EU Directive 2000/53/EC (EUV): Yes EU Directive 2002/95/EC (RoHS): Yes EU RoHS Compliance Date (mmiddlyyyy): 04/01/2005 EU Directive 2002/96/EC (WEEE): Yes CA Prop 85 (CJ for Wire & Cable): Yes Mill Order #39 (China RoHS): Yes CLA Prop 85 (CJ for Wire & Cable): Yes Mill Order #39 (China RoHS): Yes Club Filme Test: UL 1666 Vertical Riser Club Filme Test: 01/066 Vertical Riser Club Filme Test: 02/05 Vertical Riser Plenum Y/N): No Plenum Number: 6309UE conticator for film Sagestance Conductor to Conductor: Capacitance Conductor to Conductor: Capacitance (pfril) 21.500 Sagestance User Same Same Test Same Test Same Test Same Test <td>EU Directive 2011/65/EU (ROHS II):</td> <td>Yes</td> <td></td> <td></td> <td></td>	EU Directive 2011/65/EU (ROHS II):	Yes			
EU Directive 2002/95/EC (RoHS): Yes EU RoHS Compliance Date (mm/dd/yyy): 04/01/2005 EU Directive 2002/96/EC (WEEE): Yes EU Directive 2002/96/EC (WEEE): Yes EU Directive 2003/11/EC (BFR): Yes CA Prop 65 (CJ for Wire & Cable): Yes Mil Order #39 (China RoHS): Yes UL Flame Test: UL 1666 Vertical Riser C(LL) Flame Test: UL 1666 Vertical Riser C(LL) Flame Test: FT4 Honum Number: 6309UE eetrical Characteristics (Overall) No om. Capacitance Conductor to Conductor: Capacitance (pf/fl) 21.500	EU CE Mark:	Yes			
EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005 EU Directive 2003/11/EC (BFR): Yes EU Directive 2003/11/EC (BFR): Yes CA Prop 65 (CJ for Wire & Cable): Yes MI Order #39 (China RoHS): Yes UL Flame Test UL 1666 Vertical Riser C(UL) Flame Test: UL 1666 Vertical Riser C(UL) Flame Test: FT4 Henum Non-Plenum Plenum (Y/N): Plenum Number: 6309UE ectrical Characteristics (Overall) on om. Capacitance (opF/ft) 21.500 om. Capacitance (opf/ft) 21.500 axo. Operating Voltage - UL: Voltage Voltage S.5 Amps per conductor @ 25°C	EU Directive 2000/53/EC (ELV):	Yes			
EU Directive 2002/96/EC (WEEE): Yes EU Directive 2003/11/EC (BFR): Yes CA Prop 65 (CJ for Wire & Cable): Yes MI Order #39 (China RoHS): Yes tame Test UL 1666 Vertical Riser C(UL) Flame Test: FT4 lenum/Non-Plenum Plenum (V/N): No Plenum Number: 6309UE ectrical Characteristics (Overall) om. Capacitance Conductor to Conductor: Capacitance (pf/ft) 21.500 om. Conductor DC Resistance: Voltage 330 V P MS ax. Recommended Current: Current 3.5 Amps per conductor @ 25°C	EU Directive 2002/95/EC (RoHS):	Yes			
EU Directive 2003/11/EC (BFR): Yes CA Prop 65 (CJ for Wire & Cable): Yes MII Order #39 (China RoHS): Yes Iame Test UL 1666 Vertical Riser C(UL) Flame Test: UL 1666 Vertical Riser C(UL) Flame Test: FT4 tenum/Non-Plenum 6309UE Plenum (YiN): No Plenum Number: 6309UE cont. Capacitance (pf/ff) Conductor to Conductor: Capacitance (pf/ff) Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) E.5 ax. Operating Voltage - UL: Voltage Voltage 300 V RMS Karentical Character 20°C ax. Recommended Current: Current S.5 Amps per conductor @ 25°C Statuse (pf 25°C)	EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005			
CA Prop 65 (CJ for Wire & Cable): Yes MII Order #39 (China RoH5): Yes Iame Test UL 1666 Vertical Riser C(UL) Flame Test: UL 1666 Vertical Riser C(UL) Flame Test: FT4 Venum (YiN): No Plenum (YiN): No Plenum Number: 6309UE ectrical Characteristics (Overall) Game Test: om. Capacitance Conductor to Conductor: Capacitance (pf/ft) Capacitance (pf/ft) Solon Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) Solon VRMS ax. Operating Voltage - UL: Voltage Voltage Solon VRMS	EU Directive 2002/96/EC (WEEE):	Yes			
MII Order #39 (China RoH\$): Yes Imme Test: UL 1666 Vertical Riser UL Flame Test: UL 1666 Vertical Riser C(UL) Flame Test: FT4 Imme Test: No Plenum (VN): No Plenum Yumber: 6309UE ctrical Characteristics (Overall) on capacitance (pF/ft) Conductor to Conductor to Conductor: capacitance (pF/ft) Solution 21.500 Solution as: Operating Voltage - UL: Voltage Solution 300 V RMS Solution St Amps per conductor @ 25°C	EU Directive 2003/11/EC (BFR):	Yes			
UL Flame Test: UL 1666 Vertical Riser C(UL) Flame Test: FT4 Plenum/Non-Plenum No Plenum (V/N): No Plenum Rumber: 6309UE ctrical Characteristics (Overall) Onc. Capacitance Conductor to Conductor: Capacitance (pf/ft) 21500 conc. coluctor DC Resistance: Vertical Riser DCR @ 20°C (Ohm/1000 ft) 6.5 asx. Operating Voltage - UL: Voltage 300 V RMS Jarantian Secondard Current: S.5 Amps per conductor @ 25°C Secondard Current	CA Prop 65 (CJ for Wire & Cable):	Yes			
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C(UL) Flame Test: FT4 Iterum/Non-Plenum No Plenum (V/N): No Plenum Number: 6309UE cectrical Characteristics (Overall) 6309UE com. Capacitance (pF/ft) 21.500 21.500	lame Test				
Ienum/Non-Plenum Plenum (Y/N): No Plenum Number: 6309UE ectrical Characteristics (Overall) om. Capacitance Conductor to Conductor: Capacitance (pF/ft) 21.500 om. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 6.5 ax. Operating Voltage - UL: Voltage 300 V RMS ax. Recommended Current: Current 3.5 Amps per conductor @ 25°C	UL Flame Test:	UL1666 Vertical	Riser		
Plenum Number: No Plenum Number: 6309UE certrical Characteristics (Overall) Common Capacitance Conductor to Conductor to Conductor: Capacitance (pF/ft) 21.500 Sont Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 6.5 ax. Operating Voltage - UL: Voltage 300 V RMS ax. Recommended Current: Current 3.5 Amps per conductor @ 25°C	C(UL) Flame Test:	FT4			
Plenum Number: 6309UE ectrical Characteristics (Overall) om. Capacitance Conductor to Conductor: Capacitance (pF/ff) 21.500 om. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 6.5 lax. Operating Voltage - UL: Voltage 300 V RMS lax. Recommended Current: Current 3.5 Amps per conductor @ 25°C	lenum/Non-Plenum				
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om. Capacitance (pF/ft) 21.500 om. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 6.5 ax. Operating Voltage - UL: Voltage 300 V RMS ax. Recommended Current: Current 3.5 Amps per conductor @ 25°C	Plenum Number:	6309UE			
	om. Capacitance Conductor to Conductor: Capacitance (pF/ft) 21.500 om. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 6.5 ax. Operating Voltage - UL: Voltage 300 V RMS ax. Recommended Current: Current				
	3.5 Amps per conductor @ 25°C ut Ups and Colors:				

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5309UE 0081000	1,000 FT	65.000 LB	GRAY	С	12 #18 PP FRPVC
5309UE 008500	500 FT	34.000 LB	GRAY		12 #18 PP FRPVC

Notes: C = CRATE REEL PUT-UP.

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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.