Detailed Specifications & Technical Data



29503 Multi-Conductor - 1000V UL Flexible Motor Supply Cable



For more Information please call

1-800-Belden1



General Description:

4-cond. (3)stranded tinned copper circuit conductors plus (1)ground wire with PVC insulation, XLPE insulation, Overall Duofoil® (100% coverage) plus a tinned copper braid shield (85% coverage), tinned copper drain wire, Sun- & oil-resistant PVC jacket.

Usage (Overall)					
Suitable Applications:	AC Motor Drives, VFD, Variable Frequency Drives				
Physical Characteristics (Overall)					
Conductor AWG:					
# Conductors AWG Stranding Conductor Material					
3 10 105x30 TC - Tinned Copper					
Total Number of Conductors:	3				
Ground Wire					
Ground Wire (Y/N):	Y				
Ground Wire AWG:	10				
Ground Wire Stranding:	105x30				
Ground Wire Conductor Material:	TC - Tinned Copper				
Ground Wire Insulation Material:	PVC - Polyvinyl Chloride				
Insulation Insulation Material:					
Insulation Material Wall Thickness (in.)					
XLP - Cross Linked Polyolefin 0.045					
Insulation Resistance:	300 Megaohms/1000 ft.				
Insulation Color Code Chart:					
Number Color					
1 Black and Numbered 1					
2 Black and Numbered 2 3 Black and Numbered 3					
4 Green/Yellow					
Outer Shield					
Outer Shield Material:					
Layer # Outer Shield Trade Name Type Outer Shield Material	Coverage (%)				
1 Duofoil® Tape Aluminum Foil-Polyester 1 2 Braid TC - Tinned Copper	1 ape 100 85				
Outer Shield Drain Wire AWG:					
AWG Stranding Drain Wire Conductor Material					
10 105x30 TC - Tinned Copper					
Outer Jacket Outer Jacket Material:					
Outer Jacket Material Nom. Wall Thickness (in.)					
PVC - Polyvinyl Chloride 0.073					
Overall Cable					
Overall Nominal Diameter:	0.690 in.				
Mechanical Characteristics (Overall)					
Wet Temperature Range:	-40°C To +90°C				
Dry Temperature Range:	-40°C To +90°C				
UL Temperature Rating:	90°C Wet/Dry				

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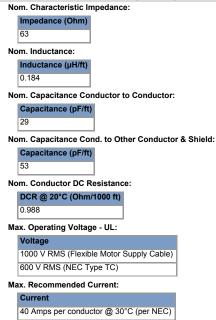


ENGLISH MEASUREMENT VERSION

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Bulk Cable Weight:	350 lbs/1000 ft.
Max. Recommended Pulling Tension:	592 lbs.
Min. Bend Radius/Minor Axis:	5.500 in.
blicable Specifications and Agency Comp	liance (Overall)
plicable Standards & Environmental Programs	
NEC/(UL) Specification:	TC-ER, Unlisted Singles, WTTC
NEC Articles:	336 - ER
CEC/C(UL) Specification:	600V Type CIC TC
CSA Specification:	1000 V AWM I/II A/B
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 (mm/dd/yyyy):	10/13/2005
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
PMSHA Specification:	P-07-KA070003
Other Specification:	1000V UL Flexible Motor Supply Cable
me Test	
UL Flame Test:	UL1685 UL Loading
CSA Flame Test:	FT4
IEEE Flame Test:	1202, IEEE 383 Vertical Tray Flame Test (70,000 BTU)
itability	
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Burial:	Yes
Sunlight Resistance:	Yes
Oil Resistance:	Yes

Electrical Characteristics (Overall)



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Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
29503 010100	100 FT	40.300 LB	BLACK		#10/4C XLPE SH PVC
29503 0101000	1,000 FT	399.000 LB	BLACK	CZ	#10/4C XLPE SHPVC
29503 010250	250 FT	96.500 LB	BLACK	CZ	#10/4C XLPE SHPVC
29503 010500	500 FT	186.000 LB	BLACK	CZ	#10/4C XLPE SHPVC
29503 0105000	5,000 FT	1,905.000 LB	BLACK	CZ	#10/4C XLPE SH PVC

Notes: C = CRATE REEL PUT-UP

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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