Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

29504 Multi-Conductor - 1000V UL Flexible Motor Supply Cable



Description:

For more Information please call

1-800-Belden1



Description:							
4-cond. (3)stranded tinned c							
overall Duofoil® (100% cov.)		opper braid shie	eld (85% cov.), v	with tinned copper :	sectioned		
drain wire,Sun-&oil-resistant	PVC jackel.						
Jsage (Overall)				D.:			
Suitable Applications:		AC Motor Drive	AC Motor Drives, VFD, Variable Frequency Drives				
Physical Characteristics (O	verall)						
Conductor AWG:							
# Conductors AWG Stranding	Conductor Material						
_	TC - Tinned Copper						
Ground Wire							
Ground Wire (Y/N):		Y					
Ground Wire AWG:	Ground Wire AWG:						
Ground Wire Stranding:		7x19x29					
Ground Wire Conductor Material:		TC - Tinned Co	TC - Tinned Copper				
Ground Wire Insulation Mate	Ground Wire Insulation Material:		/I Chloride				
Insulation							
Insulation Material:		_					
Insulation Material XLPE - Cross Linked Polyethylene	Wall Thickness (m e 1.524	<u>m)</u>					
Insulation Resistance:		 300 Megaohm	o/1000 ft				
Outer Shield			S/1000 II.				
Outer Shield Material:							
Layer # Outer Shield Trade Nan			overage (%)				
1 Duofoil® 2	Braid TC - Tinned	oil-Polyester Tape10Copper85					
Outer Shield Drain Wire AWG:							
AWG Stranding Drain Wire C	onductor Material						
14 (4x) 41x30 TC - Tinned C	Copper						
Outer Jacket							
Outer Jacket Material: Outer Jacket Material							
PVC - Polyvinyl Chloride							
Overall Cabling							
Overall Nominal Diameter:		23.622 mm					
Nechanical Characteristics	(Overall)				Sold by:		
UL Temperature Rating:	(overall)	90°C Wet/Dry			TWAcommoco		
Bulk Cable Weight:		898.873 Kg/Kn	n		http://www.TWAcomm.com Toll Free: (877) 389-0000		
Buik Gable Weight.		000.070 Ng/Ni					

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Max. Recommended Pulling Tension:	3416.218 N				
Min. Bend Radius (Install)/Minor Axis:	190.500 mm				
plicable Specifications and Agency C	· · · ·				
pplicable Standards & Environmental Prog	-				
NEC/(UL) Specification:	TC-ER, Unlisted Singles, WTTC				
NEC Articles:	336 - ER				
CSA Specification:	1000 V AWM I/II A/B				
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				
ame Test					
UL Flame Test:	UL1685 UL Loading				
CSA Flame Test:	FT4				
IEEE Flame Test:	1202, IEEE 383 Vertical Tray Flame Test (70,000 BTU)				
uitability					
Suitability - Indoor:	Yes				
Suitability - Outdoor:	Yes				
Suitability - Burial:	Yes				
Sunlight Resistance:	Yes				
Oil Resistance:	Yes				
ectrical Characteristics (Overall)					
om. Characteristic Impedance:					
Impedance (Ohm) 62					
om. Inductance:					
Inductance (μΗ/m) 0.593861					
om. Capacitance Conductor to Conductor: Capacitance (pF/m) 98.43					
om. Capacitance Cond. to Other Conductor & Sl Capacitance (pF/m)	hield:				
177.174					
om. Conductor DC Resistance:					

DCR @ 20°C (Ohm/km)

2.09984

Max. Operating Voltage - UL:

Voltage





METRIC MEASUREMENT VERSION

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1000 V RMS (Flexible Motor Supply Cable) 600 V RMS (NEC Type TC)

Max. Recommended Current:

Current

55 Amps per conductor @ 30°C (per NEC)

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
29504 0101000	305 MT	299.372 KG	BLACK	CZ	#8/4C XLPE SHPVC
29504 010250	76 MT	71.895 KG	BLACK	CZ	#8/4C XLPE SHPVC
29504 010500	152 MT	150.593 KG	BLACK	CZ	#8/4C XLPE SHPVC
29504 0105000	1,524 MT	1,422.019 KG	BLACK	CZ	#8/4C 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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