

29500F 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, (1) ground wire with PVC insulation, XLP insulation, Overall Duofoil® (100% coverage) plus a tinned copper braid shield (85% coverage), tinned copper drain wire, Oil & Sun-resistant TPE jacket.

Usage (Overall)			
Suitable Applications:	AC Motor Drives, VFD, Variable Frequency Drive		
Physical Characteristics (Overall)			
Conductor			
AWG:			
# Conductors AWG Stranding Conductor Material 3 16 65x34 TC - Tinned Copper			
Total Number of Conductors:	3		
Ground Wire			
Ground Wire (Y/N):	Y		
Ground Wire AWG:	16		
Ground Wire Stranding:	65x34		
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:	200 Magazehma/1000 #		
Insulation Color Code Chart:	300 Megaohms/1000 ft.		
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 1 Duofoil® Tape Aluminum Foil-Polyester	Coverage (%) Tabe 100		
2 Braid TC - Tinned Copper	85		
Outer Shield Drain Wire AWG:			
AWG Stranding Drain Wire Conductor Material			
16 65x34 TC - Tinned Copper			
Outer Jacket			
Outer Jacket Material:			
Outer Jacket Material Nom. Wall Thickness (in.) TPE - Thermoplastic Elastomer 0.063			
Overall Cable	Non Wayon Delyaptar Clin Tana		
Overall Cabling Separator Material:	Non-Woven Polyester Slip Tape		
Overall Nominal Diameter:	0.528 in.		
Mechanical Characteristics (Overall)			
Wet Temperature Range:	-40°C To +90°C		
Dry Temperature Range:	-40°C To +90°C		

Detailed Specifications & Technical Data

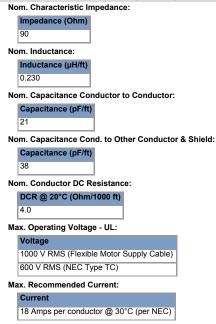


ENGLISH MEASUREMENT VERSION

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Bulk Cable Weight:	160 lbs/1000 ft.					
Max. Recommended Pulling Tension:	128 lbs.					
Min. Bend Radius/Minor Axis:	2.600 in.					
Min. Bend Radius (Continuous Flexing):	4 in.					
Flex Cycle Rating:	10 Million Flexes					
pplicable Specifications and Agency Complia	ance (Overall)					
Applicable Standards & Environmental Programs						
NEC/(UL) Specification:	TC-ER, Unlisted Singles, WTTC					
NEC Articles:	336 - ER					
CEC/C(UL) Specification:	600V Type CIC TC					
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					
Other Specification:	1000V UL Flexible Motor Supply Cable					
lame 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 - Oil Res II					

Electrical Characteristics (Overall)





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Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
29500F 0101000	1,000 FT	175.000 LB	BLACK		4 #16 XLPO/PVC SH TPE
29500F 0106000	6,000 FT	1,068.000 LB	BLACK		4 #16 XLPO/PVC SH TPE

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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.