Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



29512 Composite - 1000V UL Flexible Motor Supply Cable



For more Information please call

1-800-Belden1



General Description:

1 pr.(Signal)-16 AWG stranded (26x30) TC cond., XLPE insul., Beldfoil® shield (100% c), drain; 3 cond.(VFD) plus 1 ground wire-12 AWG stranded (65x30) TC cond., XLPE insul., Duofoil® and TC braid Shield (100% a85% c), drain, PVC jacket.

Usage (Overall)	
Suitable Applications:	AC Motor Drive, VFD, Variable Frequency Drive
Twisted Pair	
Physical Characteristics Conductor AWG: # Pairs AWG Stranding 1 16 26x30	Conductor Material TC - Tinned Copper
Insulation	
Insulation Material:	
Insulation Material XLPE - Cross Linked Poly	Wall Thickness (in.)
Twisted Pair Color Code Ch Number Color 1 Black and White	
Inner Shield Inner Shield Material:	
Inner Shield Trade Name	Type Inner Shield Material Coverage (%)
Beldfoil®	Tape Aluminum Foil-Polyester Tape 100
Inner Shield Drain Wire AW	G:
AWG Stranding Condu	ctor Material
18 19x30 TC - Tir	aned Copper
Individual Shield	
Electrical Characteristics	
Nom. Capacitance Conductor	to Conductor:
Capacitance (pF/ft) 34.000	
Nom. Conductor DC Resistan	ce:
DCR @ 20°C (Ohm/1000 ft) 4.000	
Nom. Inner Shield DC Resista	nce:
DCR @ 20°C (Ohm/1000 ft) 4.990	
Multi Conductor	
Physical Characteristics	
Conductor AWG:	
# Conductors AWG Str	anding Conductor Material
3 12 65	30 TC - Tinned Copper
Ground Wire	
Ground Wire (Y/N):	Yes
Ground Wire Material:	··
	ctor Material Insulation Material
	nned Copper PVC - Polyvinyl Chloride
Insulation Insulation Material:	

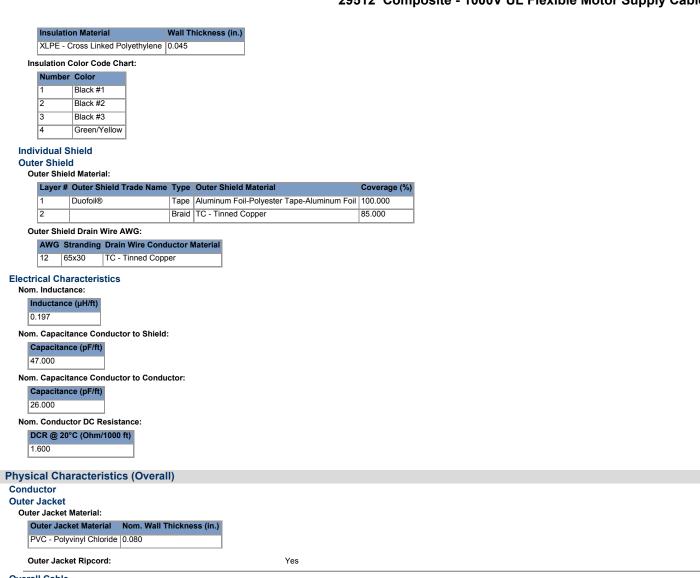
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Overall Cable

Overall Nominal Diameter: 0.895 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +90°C Max. Recommended Pulling Tension: 527 lbs. Min. Bend Radius/Minor Axis:

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	RHW-2 Singles, TC-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):	09/21/2006				
EU Directive 2002/96/EC (WEEE):	Yes				
EU Directive 2003/11/EC (BFR):	Yes				
CA Prop 65 (CJ for Wire & Cable):	Yes				

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MII Order #39 (China RoHS):	Yes			
PMSHA Specification:	P-07-KA070003			
Other Specification: 1000V UL Flexible Motor Supply Cable				
Flame Test				
UL Flame Test:	UL1685 UL Loading			
CSA Flame Test: FT4				
IEEE Flame Test:	1202, IEEE 383 Vertical Tray Flame Test (70,000 BTU)			
Suitability				
Suitability - Indoor:	Yes			
Suitability - Outdoor:	Yes			
Suitability - Burial:	Yes			
Sunlight Resistance:	Yes			
Plenum/Non-Plenum				
Plenum (Y/N):	No			

Electrical Characteristics (Overall)

Max. Operating Voltage - UL:

Voltage

1000 V RMS (Flexible Motor Supply Cable)

Max. Operating Voltage - Other:

1000 V RMS (CSA AWM I/II A/B)

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
29512 010100	100 FT	77.300 LB	BLACK	С	COMPOSITE CABLE SH PVC
29512 0101000	1,000 FT	438.000 LB	BLACK	С	COMPOSITE CABLE SH PVC
29512 0104000	4,000 FT	1,680.000 LB	BLACK	С	COMPOSITE CABLE SH PVC
29512 010500	500 FT	226.500 LB	BLACK	С	COMPOSITE CABLE SH PVC

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 08-20-2013

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