ENGLISH MEASUREMENT VERSION



29513 Composite - 1000V UL Flexible Motor Supply Cable



For more Information please call

1-800-Belden1



Description:

1 pr.(Signal)-16 AWG stranded (26x30) TC cond., XLPE insul., Beldfoil® shield (100% c; 3 cond.(VFD) plus 1 ground wire-10 AWG stranded (105x30) TC cond., XLPE insul., Duofoil® and TC braid Shield (100% acdrain, PVC jacket.

Usage (Overall)

Suitable Applications:

AC Motor Drive, VFD, Variable Frequency Drive

Twisted Pair

Physical Characteristics

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material		
1	16	26x30	TC - Tinned Copper		

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
XLPE - Cross Linked Polyethylene	0.030

Twisted Pair Color Code Chart:

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 AWG:

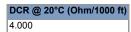
AWG	Stranding	Conductor Material
18	19x30	TC - Tinned Copper

Electrical Characteristics

Nom. Capacitance Conductor to Conductor:



Nom. Conductor DC Resistance:



Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000	ft)
4.990	

Multi Conductor

Physical Characteristics

Conductor

AWG:

Conductors AWG Stranding Conductor Material

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1 10	105x30	TC - Tinned Copper
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Ground Wire

Ground Wire (Y/N): Yes

Ground Wire Material:

AWG Stranding		Conductor Material	Insulation Material
10	105x30	TC - Tinned Copper	PVC - Polyvinyl Chloride

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
XLPE - Cross Linked Polyethyl	ene 0.045

Insulation Color Code Chart:

Number	Color
1	Black #1
2	Black #2
3	Black #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 Tape-Aluminum Foil	100.000
2		Braid	TC - Tinned Copper	85.000

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
10	105x30	TC - Tinned Copper

Electrical Characteristics

Nom. Inductance:



Nom. Capacitance Conductor to Shield:



Nom. Capacitance Conductor to Conductor:



Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
0.988

Physical Characteristics (Overall)

Conductor

Outer Jacket Meteric

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.105

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 0.985 in.

Mechanical Characteristics (Overall)

echanical Characteristics (Overall)	ai onalacteristics (Overall)			
Operating Temperature Range:	-40°C To +90°C			
Max. Recommended Pulling Tension:	718 lbs.			
Min. Bend Radius (Install)/Minor Axis:	9.900 in.			

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Appli	cable	Specificat	ions and	Agency	Compl	iance (Overall))

pplicable Standards & Environmental Programs NEC/(UL) Specification: RHW-2 Singles, TC-ER, XHHW-2		
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):	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	
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	

Plenum/Non-Plenum

Sunlight Resistance:

Plenum (Y/N): No

Electrical Characteristics (Overall)

Max. Operating Voltage - UL:

Voltage

1000 V RMS (Flexible Motor Supply Cable)

Max. Operating Voltage - Other:

Voltage

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

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
29513 010100	100 FT	89.300 LB	BLACK	С	COMPOSITE CABLE SH PVC
29513 0101000	1,000 FT	563.000 LB	BLACK	С	COMPOSITE CABLE SH PVC
29513 0103000	3,000 FT	1,671.000 LB	BLACK	С	COMPOSITE CABLE SH PVC
29513 010500	500 FT	286.500 LB	BLACK	С	COMPOSITE CABLE SH PVC

Yes

Notes: C = CRATE REEL PUT-UP.

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