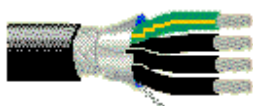


29505 Multi-Conductor - 1000V UL Flexible Motor Supply Cable



For more Information
please call

1-800-Belden1

**Description:**

4-cond. (3)stranded tinned copper circuit conductors plus (1)ground wire with PVC insulation, XLPE insulation, Overall Duofoil® (100% cov.) plus a tinned copper braid shield (85% cov.) , tinned copper sectioned 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	6	7x19x27	TC - Tinned Copper

Total Number of Conductors: 3

Ground Wire

Ground Wire (Y/N): Y

Ground Wire AWG: 6

Ground Wire Stranding: 7x19x27

Ground Wire Conductor Material: TC - Tinned Copper

Ground Wire Insulation Material: PVC - Polyvinyl Chloride

Insulation**Insulation Material:**

Insulation Material	Wall Thickness (mm)
XLPE - Cross Linked Polyethylene	1.524

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 Tape	100
2		Braid	TC - Tinned Copper	85

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
12 (4x)	65x30	TC - Tinned Copper

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

29505 Multi-Conductor - 1000V UL Flexible Motor Supply Cable**Overall Cable**

Overall Nominal Diameter:	26.111 mm
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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
Bulk Cable Weight:	1206.930 Kg/Km
Max. Recommended Pulling Tension:	5426.804 N
Min. Bend Radius/Minor Axis:	209.550 mm

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

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

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
Oil Resistance:	Yes

Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

Impedance (Ohm)

56

Nom. Inductance:

Inductance (µH/m)

0.561051

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

METRIC MEASUREMENT VERSION

29505 Multi-Conductor - 1000V UL Flexible Motor Supply Cable

108.273

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

196.86

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

1.34521

Max. Operating Voltage - UL:

Voltage

1000 V RMS (Flexible Motor Supply Cable)

600 V RMS (NEC Type TC)

Max. Operating Voltage - Other:

Voltage

Description

1000 V RMS

CSA AWM I/II A/B

Max. Recommended Current:

Current

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

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
29505 0101000	305 MT	410.957 KG	BLACK	C Z	3 #6 XLPE, #6 PVC SH HMF
29505 010250	76 MT	100.358 KG	BLACK	C Z	#6/4C XLPE SHPVC
29505 0103500	1,067 MT	1,454.224 KG	BLACK	C Z	3 #6 XLPE, #6 PVC SH HMF

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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