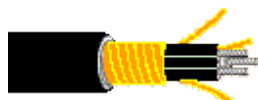


## 29524 Multi-Conductor - 1000V UL Flexible Motor Supply Cable



**No longer Available**  
**1-800-BELDEN1**

For more Information  
please call

1-800-Belden1



### Description:

3 - 8 AWG stranded (7x16) tinned copper circuit conductors plus (3) symmetrical bare copper ground wires, XLPE insulation, two spiral copper tape shields (100% Coverage), sun- and oil-resistant PVC jacket.

### Usage (Overall)

**Suitable Applications:** AC Motor Drives, VFD, Variable Frequency Drive

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material
3	8	7x16	Tc - Tinned Copper

#### Ground Wire

**Ground Wire (Y/N):** Y

**Ground Wire AWG:** 12

**Ground Wire Stranding:** 7x20

**Ground Wire Conductor Material:** BC - Bare Copper

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (in.)
XLPE - Cross Linked Polyethylene	0.046

##### Insulation Color Code Chart:

Number	Color
1	Black and Numbered 1
2	Black and Numbered 2
3	Black and Numbered 3

#### Outer Shield

##### Outer Shield Material:

Layer #	Type	Outer Shield Material	Coverage (%)
1	Tape	Spiral Copper	100.000
2	Tape	Spiral Copper	100.000

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cable

**Overall Nominal Diameter:** 0.680 in.

### Mechanical Characteristics (Overall)

**Operating Temperature Range:** +90°C Wet, -40°C To +90°C

**UL Temperature Rating:** 90°C Wet/Dry

**Bulk Cable Weight:** 375 lbs/1000 ft.

## 29524 Multi-Conductor - 1000V UL Flexible Motor Supply Cable

Max. Recommended Pulling Tension:	576 lbs.
Min. Bend Radius (Install)/Minor Axis:	6.800 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	TC-ER, XHHW-2 Singles
NEC Articles:	336 - ER
CSA Specification:	600 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):	08/17/2007
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

#### Flame Test

UL Flame Test:	UL1685 UL Loading
CSA Flame Test:	FT4
IEEE Flame Test:	1202

#### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Burial:	Yes
Sunlight Resistance:	Yes
Oil Resistance:	Yes

#### Plenum/Non-Plenum

Plenum (Y/N):	No
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### Electrical Characteristics (Overall)

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

0.640

#### Max. Operating Voltage - UL:

Voltage	Description
1000 V RMS	Flexible Motor Supply Cable
600 V RMS	NEC Type TC

#### Max. Operating Voltage - Other:

Voltage	Description
600 V RMS	CSA AWM I/II A/B

#### Max. Recommended Current:

Current
55 Amps per conductor @ 25°C

### Related Documents:

No related documents are available for this product

## 29524 Multi-Conductor - 1000V UL Flexible Motor Supply Cable

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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