



**Product: 29526** ☑

VFD, 3C #4 Str TC XLPE Ins + #12 Symm. Seg. Gnd (3 of #12) Str BC, CTS, Blk PVC Jkt, 600/1000V TC-ER 90C Dry/Wet 1000V CSA AWM I/II A/B

# Request Sample

# **Product Description**

Belden Premium VFD, 4 AWG (7 x 19 x 25) Tinned Copper, 3 Conductor, XLPE Insulation M4 Color Code, With 3 #12 AWG (65 x 30) Bare Copper Drain Wire, Overall Copper Tape Applied Sheild, Black Outer PVC Jacket, 600/1000V TC-ER 90C Dry/Wet 1000V, CSA AWM I/II A/B Sun Res Dir Bur Oil Resistant.

# **Technical Specifications**

### **Product Overview**

Suitable Applications: Variable Frequency Drives (VFD); AC Motor and Drive Systems; Class 1 Division 2 Hazardous Locations; Recommended Cable Gland Belden BTC100A0791RA

#### **Construction Details**

#### Conductor

Element	No. of Elements	Size	Stranding	Material	Notes
Conductor(s)	3	4 AWG	7x19x25	TC - Tinned Copper	ASTM B3 Copper B8 Class B Stranding
Segmented Ground Wire	3	12 AWG	65x30	BC - Bare Copper	Segmented Ground (3 Totalling 6 AWG)

## Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	XLPE - Cross-Linked Polyethylene (Thermoset)	0.047 in	0.358 in (9.09 mm)	ICEA Chart M4
Ground Wire	No Insulation			

### **Outer Shield**

Shield Type	Material	Coverage	Notes
Таре	Bare Copper (BC)	100%	2 mil Copper Tape
	Bare Copper (BC)		

# Outer Jacket

	Material	Nom. Thickness	Nom. Diameter	Ripcord
	XLPE - Cross-Linked Polyethylene (Theri	noset) 0.083 in (2.1 mm	0.759 in (19.3 mm)	Yes
Ī	Overall Cable Diameter (Nominal): 0.	948 in (24.1 mm)		

# **Electrical Characteristics**

# Electricals

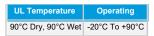
Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Nom. Velocity of Prop.	Max. Current
Conductor(s)	0.223 Ohm/1000ft (0.732 Ohm/km)	34 pF/ft (110 pF/m)	66 pF/ft (220 pF/m)	37 Ohm	55%	95 Ampls per Conductor at 30°C
	0.056 Ohm/1000ft (0.18 Ohm/km)					

### Voltage

UL Voltage Rating 600/1000 V (TC-ER)

### **Mechanical Characteristics**

### Temperature



#### **Bend Radius**

Stationary Min.	Installation Min.
9.48 in (241 mm)	9.48 in (241 mm)

1	Max. Pull Tension:	1919.4 lbs (870.63 kg)	
1	Bulk Cable Weight:	639 lbs/1000ft	

### **Standards and Compliance**

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Burial
Sustainability: CA Prop 65	
Flammability / Reaction to Fire: UI 1685 UL Loading , IEEE 1202 FT4, FT4	
NEC / UL Compliance:	Article 336, TC-ER, XHHW-2
ICEA Compliance:	S-95-658
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	P-07-KA070003-MSHA

# History

Jpdate and Revision:

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