



Product: [A0306L](#)

TC VN/PVC, 3 C #6 Str BC, PVC-NYL Ins M4, OS, Blk PVC Jkt, 600V TC-ER 90C Dry/Wet SUN RES DIR BUR

Product Description

UL Type TC (1277) PVC-Nylon/PVC, 3 Conductor 6AWG (7x14) Bare Copper, PVC-NYL Insulation M4 Color Code, Overall Beldfoil® Shield, Black PVC Outer Jacket, 600V TC-ER 90C Dry/Wet SUN RES DIR BUR

Technical Specifications

Product Overview

Suitable Applications:	harsh environment digital and serial two-way communication, oil and gas extraction and refining sites, petrochemical, Profibus process automation or Foundation FieldBus process automation, extreme temperature environments, exposure to humidity/moisture, dust, and oil, remote locations long distance applications, etc.
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Physical Characteristics (Overall)

Conductor					
Element	AWG	Stranding	Material	Nominal Diameter	No. of Conductors
Conductor(s)	6	7x14	BC - Bare Copper	0.179 in	3
Conductor Count: 3					

Insulation		
Material	Nominal Diameter	Nominal Wall Thickness
PVC/Nylon - Polyvinyl Chloride + Nylon	0.240 in	0.0305 in

Color Chart
Number
ICEA S-73-732 Table M4

Outer Shield					
Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	14

Outer Jacket
Material
PVC - Polyvinyl Chloride

Electrical Characteristics

Voltage		
UL Description	UL Voltage Rating	Voltage Rating [V]
TC-ER	600 V RMS (Type TC)	600 V RMS (Type TC)

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

Flammability, LS0H, Toxicity Testing

UL voltage rating:	600 V RMS (Type TC)
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History

Update and Revision:	Revision Number: 0.50 Revision Date: 01-10-2024
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