



Product: [A0214KO](#)

TC-ER VN/PVC, 2+G C #14 Str BC, PVC-NYL Ins, E2, 1 C #14 Str BC Ins Grnd, OS, Blk PVC Jkt, 600V TC-ER 150V NPLF 90C Dry 75C Wet SUN RES DIR BUR

Product Description

UL Type TC-ER (1277) PVC-Nylon/PVC, 2+G Conductor 14AWG (7x22) Bare Copper, PVC-NYL Insulation E2 Color Code, 1 Conductor 14 (7x22) Bare Copper Insulated Ground, Overall Beldfoil® Shield, Black PVC Outer Jacket, 600V TC-ER 150V NPLF 90C Dry 75C Wet SUN RES DIR BUR

Technical Specifications

Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	14	7x22	BC - Bare Copper	2
Ground	14	7x22	BC - Bare Copper	1

Conductor Count:	2
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Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PVC/Nylon - Polyvinyl Chloride + Nylon	0.116 in	0.024 in
PVC/Nylon - Polyvinyl Chloride + Nylon	0.0116 in	0.024 in

Color Chart

Number	Color
1	Black
2	Red
Ground	Green

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	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.348 in	0.047 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
2.52 Ohm/1000ft

Current

Max. Recommended Current [A]
25 Amps per Conductor at 30°C

Voltage

Description	UL Description	UL Voltage Rating	Voltage Rating [V]
Type TC	TC	600 V RMS	600 V RMS
	NPLF	150 V RMS	

Temperature Range

UL Temp Rating:	90°C Wet/Dry
Operating Temperature Range:	-30°C To +90°C

Mechanical Characteristics

UV Resistance:	Yes
Bulk Cable Weight:	89 lbs/1000ft
Max. Pull Tension:	64 lbs
Min. Bend Radius/Minor Axis:	3.48 in

Standards

NEC Articles:	Article 336
NEC/(UL) Compliance:	NPLF, TC-ER, THHN/THWN Singles
Other Specification:	ICEA S-73-532, S-95-658, S-61-402
Other Standards:	ICEA S-73-532, ICEA S-61-402

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	Yes
EU CE Mark:	Yes

Suitability

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

Flammability, LSOH, Toxicity Testing

UL Flammability:	UL 1685 UL Loading
CSA Flammability:	FT4
IEEE Flammability:	1202
UL voltage rating:	600 V RMS (Type TC)

Plenum/Non-Plenum

Plenum (Y/N):	No
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History

Update and Revision:	Revision Number: 0.48 Revision Date: 04-08-2022
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