

## XLPE/PVC, 600V Instrumentation Type TC-ER, Triads

### Series E1BFB

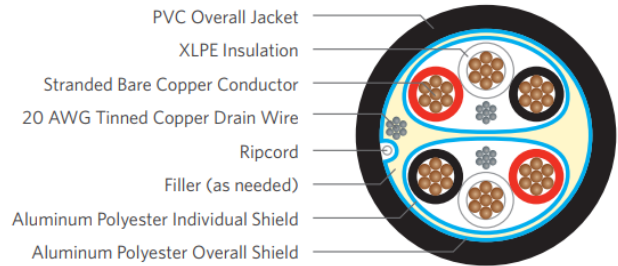
Part #: E1BFB-161B12TJ00

#### DESCRIPTION

The XLPE / PVC, 600V Instrumentation Type TC-ER Cables consist of fully annealed bare copper Class B stranded conductors (in triads), covered with Cross-linked Polyethylene (XLPE), overall shielded and black PVC jacket. These cables are used control systems, audio, intercom, alarm circuits and energy management.

#### APPLICATION

- In free air, ducts, cable trays, conduit, raceways and direct burial.
- Approved for direct burial, Class I Div. 2 industrial hazardous locations per NEC.
- Used as a non-power-limited fire alarm circuit cable (NPLF) per NEC Article 760
- Permitted for Exposed Run (ER) used in accordance with NEC for 3 or more conductors; two conductors without a ground wire are Type TC only.



#### SPECIFICATIONS

<b>Conductor</b>	Bare Copper, Class B strand
<b>Insulation</b>	Cross-linked Polyethylene (XLPE)
<b>Shield</b>	<b>Overall (OS) Shield</b> Alum-polyester in contact with drain wire.
<b>Jacket</b>	PVC

<b>Packaging</b>	Non-returnable reels
<b>Performance Compliance</b>	ASTM B8
	ASTM B33
	UL 66
	UL 44
	UL 1277
<b>Other Compliances</b>	UL 1685 (flame test)
	ICEA S-73-532
	NEC
	EPA 40 CFR, Part 261
	OSHA
	RoHS-compliant

#### PART NUMBER AND PHYSICAL CHARACTERISTICS

Part Number	Triad Count	Cond Size AWG	Insulation Thickness inches	Jacket Thickness inches	OD inches	Net Weight lbs/mft
E1BFB-161B12TJ00	12	16	0.020	0.080	1.11	289

The dimensions and weights shown are nominal and subject to industry standards. Other designs available upon request.