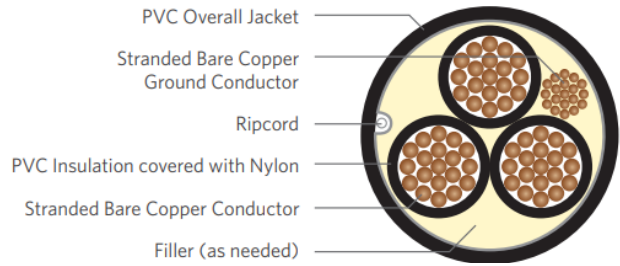# PVC/Nylon/PVC, 600V, Type TC-ER, LV Power
Three Copper Conductors

DESCRIPTION

The PVC/Nylon/PVC (THHN/THWN-2), 600V Power Type TC-ER cables consist of fully annealed bare copper Class B stranded conductors, covered with Polyvinyl Chloride (PVC) and Nylon insulation, unshielded and black PVC jacket.

APPLICATIONS

- In conduit, duct, free air, raceways and direct burial, primary installations include cable trays, and outdoor locations.
- For wet or dry locations. Rated 90°C Wet or Dry.
- Approved for Class I, Div. 2 industrial hazardous locations per NEC.
- Permitted for Exposed Run (ER) used in accordance with NEC for 3 or more conductors.

PVC Overall Jacket
Stranded Bare Copper Ground Conductor
Ripcord
PVC Insulation covered with Nylon
Stranded Bare Copper Conductor
Filler (as needed)

Series E3BEA

CONSTRUCTION

CONDUCTOR	Bare annealed Copper, Class B Compressed Strand
INSULTATION	PVC/Nylon (THHN/THWN-2)
CONDUCTOR ID	ICEA S-58-679 Method 4
GROUND	Bare annealed Copper, Class B Compressed Strand
JACKET	Polyvinyl Chloride (PVC)
PACKING	Non-returnable reels

STANDARDS (Compliance)

PERFORMANCE	ASTM B8 UL 83 UL 1277 UL 1685 (UL CT flame exposure test) ICEA S-95-658 CSA FT4/1EEE1202
OTHER	EPA 40 CFR, Part 261 OSHA REACH-Compliant RoHS/RoHS-2-Compliant

SPECIFICATIONS

Part Number	Conductor Size (AWG or kcmil)	Insulation Thickness (in)	Ground Conductor (AWG)	Jacket Thickness (in)	Approx. Overall Diameter (in)	Approx. Weight (lbs / kft)
E3BEA-031B03CE00	3	0.040	6	0.080	0.94	825
E3BEA-A21B03CE00	300	0.060	3	0.110	1.86	3,700

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