

PVC/Nylon/PVC, 600V Type TC-ER, LV Power—Silicone Free Three Conductor, Copper with Insulated Ground Wire

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, insulated ground wire and black PVC jacket. These cables are used in industrial power.

APPLICATIONS

- For commercial, industrial and utility applications
- For wet or dry locations. Rated 90°C Wet or Dry.
- In free air, raceways, and direct burial
- Approved for direct burial, Class I Div. 2, I industrial hazardous locations per NEC
- Permitted for Exposed Run (ER) use in accordance with NEC for 3 or more conductors.

CONSTRUCTION

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|-------------------|--|
| CONDUCTOR | Bare Copper, Class B compressed Strand |
| INSULATION | PVC covered with Nylon |
| GROUND | Insulated Bare Copper, Class B Compressed strand |
| JACKET | PVC |
| PACKAGING | Non-returnable reels |

STANDARDS (Compliance)

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|--------------------|---|
| PERFORMANCE | ASTM B8 UL 83 UL 1277 UL 1685 ICEA S-95-658 FT4/IEEE1202 NEC Article 336, 725 |
| OTHER | EPA 40 CFR, PART 261 OSHA |

SPECIFICATIONS

| Part Number | Conductor Count | Conductor Size (AWG) | Insulation Thickness (in) | Nylon Thickness (in) | Ground Conductor (kCMIL) | Jacket Thickness (in) | Overall Diameter (in) | Net Weight (lbs / Mft) |
|------------------|-----------------|----------------------|---------------------------|----------------------|--------------------------|-----------------------|-----------------------|------------------------|
| E3BEA-A61B03CE02 | 3 | 500 | 0.060 | 0.011 | 1/0 | 0.115 | 2.24 | 5,910 |

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