

ETHERLINE® TRAY CAT. 5e**UDB2170450EN****Date:** February 26, 2026**1. APPLICATION**

ETHERLINE® TRAY CAT.5e (bandwidth up to 100 MHz) is designed for flexible applications with a maximum transfer rate (IEEE 802.3) of 1 GBit/s up to 328 feet. Designed with an overall foil and braid shield, the cable is protected against EMI and can be used in areas where reliable transmission is key including EtherNet/IP, EtherCAT, Power over Ethernet (IEEE 802.3af), Power over Ethernet Plus (802.3at), TIA/EIA-568-C.2, and IEC 61156-5

Applications:

Flexible applications, cable trays, industrial machinery, commercial and plant infrastructure

Underwriters Laboratories

For Tray use in power limited applications and internal or external wiring of electrical and electronic equipment.

Canadian Standards

For use as communications control, Appliance Wiring Material and internal or external wiring of electrical and electronic equipment applications.

2. CABLE DESCRIPTION

- Bare copper flexible stranding
- Thermoplastic-based insulation
- 4 Pairs twisted together
- Color coded conductors
- Overall Foil and TC Braid Shield
- Green (RAL 6018) UV and flame resistant specially formulated PVC jacket

3. TECHNICAL DATA

Conductor Stranding	22 AWG (0,34 mm ²): Class K
Design / Make-up	Cable is designed in accordance with the requirements of UL Standards 13 and 444; and with CSA standard C22.2 No. 214
Insulation	Foam PE insulation Nominal Insulated Conductor OD: .057"
Twisted Pairs	2 conductors cabled together
Color Code	<u>Pair 1:</u> White / Blue & Blue <u>Pair 2:</u> White / Orange & Orange <u>Pair 3:</u> White / Green & Green <u>Pair 4:</u> White / Brown & Brown
Shield	Foil and Tinned Copper Braid Shield (90% coverage)
Outer Sheath	Specially formulated PVC jacket Nominal Jacket Wall Thickness: .047" Nominal Overall Cable OD: .362"
Nominal Voltage	UL/CSA: 300V UL/CSA AWM: 600V IEC: Not for power applications

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Test Voltage	1500V
Min Bend radius	For stationary use: 10 x Cable OD For flexible use: 15 x Cable OD
Temperature Range	For stationary use: -40°C to +80°C For flexible use: -25°C to +80°C
Cable Attributes	OR-02, FR-05, FL-02, MP-01 Sunlight resistant
Approvals	UL AWM 2570 (Appliance Wiring Material) per UL 758 UL PLTC (Power Limited Tray Cable) –ER (Exposed Run) per UL 13 UL CMG, CMR (Communications Cables) per UL 444 c(UL) CMR, CMG per CSA C22.2 No. 214 cRU AWM II A/B FT4 per CSA C22.2 No. 210
Additional	NEC Article 501 RoHS directive UKCA