



HY-TREX® CAT5e 2-PR PROFINET TYPE B & C, HIGH FLEX

This communication cable is performance tested and designed for dynamic flexing/torsional applications. It is UL recognized and listed as Type PLTC and Type ITC, allowing for use in Hazardous Locations, Class I, Div 2 when installed per code. This cable is rated for Cat5e transmission, and has a voltage rating of 600 volts.

CONSTRUCTION

CONDUCTORS: Tinned copper, 24 AWG, 19 strands

INSULATION: High Density Polyethylene (HDPE)

INSULATION COLOR CODE: Pair 1: White, Blue Pair 2: Yellow, Orange

SHIELDING: Aluminum/Polyester Foil Shield + Overall tinned copper braid, 75% coverage, Foild braid shield over cable core

JACKETING: Extruded TPE jacket, color green

TWISTED PAIRS: Quantity two (2) twisted pairs with varying lays

RATINGS / APPROVALS

UL 1685: Vertical-tray fire-propagation and smoke-release test for electrical cables

UL 444: Communication cables

UL 13: Power limited circuit cables

UL 1277: Electrical power & control tray cables

UL 758: AWM Style 2463

ISO/IEC 11801: Category 5 transmission

ANSI/TIA-568-C2: Category 5e transmission

PERFORMANCE

VOLTAGE RATING: 600 Volts

OPERATING TEMPERATURE: -40°C to 80°C

COLD BEND TEST: -40°C

OIL RESISTANCE: II per UL 1277

SUNLIGHT RESISTANCE: Yes

ABRASION: 75 cycles/1.5lb. load per UL 2556

FLEX LIFE TORSIONAL:

3 million cycles, +/- 180°

FLEX LIFE CABLE-CHAIN:

35 million cycles, 5 inch bend radius

MINIMUM BEND RADIUS: 2.5 inch

PART NO.	COND SIZE	STRANDING	NOM O.D. (in.)	WEIGHT (LBS/1000')
PN150-022-2UTP-SFB	22 AWG	19 Strands	0.31	46