



HY-TREX® PROFIBUS CABLE

Designed for industrial automation networks to provide fast and reliable communication between a controller and peripheral devices. Designed using fine stranding to improve flexibility and reduce conductor fatigue and breakage in dynamic flexing applications. UL recognized and rated at 600 volts.

CONSTRUCTION

CONDUCTORS: Tinned copper, 22 AWG, 19x34 stranding

INSULATION: Polyethylene (PE)

INSULATION COLOR CODE: Pair 1: Green & Red

SHIELDING: Aluminum/Mylar Foil Shield + Overall tinned copper braid, 65% coverage, Foil braid shield over cable core

JACKETING: Extruded TPE jacket, color violet

TWISTED PAIRS: Quantity one (1) twisted pair

RATINGS / APPROVALS

IEC 61158-2: Profibus DP

IEC 61784: Industrial Communication Network Standard

UL/cUL 758: AWM Style 20207

PERFORMANCE

VOLTAGE RATING: 600 Volts

OPERATING TEMPERATURE: -25°C to 80°C

MINIMUM BEND RADIUS: 2.5 inch

ELECTRICAL CHARACTERISTICS

IMPEDANCE: 150 +/- 15 Ohms Differential
78.8 Ohms Single-Ended

CAPACITANCE: 9.15 pF/Ft. Mutual
16.5 pF/Ft. Single-Ended

VELOCITY OF PROPAGATION: 66%

PART NO.	COND SIZE	STRANDING	NOM O.D. (in.)	WEIGHT (LBS/1000')
PB100-022-1STP-SB	22 AWG	19x34	0.301	46