

Bus/Data

# Hy-Trex® RS-485 Communication Cable

Designed to meet both TIA RS-485 standards, and Modbus cable standards, Hy-Trex® RS-485 Communication Cable is an ideal choice for RS-485/Modbus RTU communication systems. The use of very fine stranding extends cable life and improves cable performance in dynamic flexing applications. One-pair and two-pair configurations are available.



### Ratings



300V

Type CL2

Type CM

AWM Style 2464

### Performance Characteristics

- ✓ Operating Temperature: -25°C to 80°C
- ✓ Impedance: 120 +/- 12 Ohms
- ✓ Capacitance: 12 pF/Ft. Cond-Cond
- ✓ Velocity of Propagation: 66%
- ✓ Bend Radius (Static): 6x Cable O.D.
- ✓ Bend Radius (Dynamic): 8x Cable O.D.

### Engineered to Resist



Flexing



Abrasion

### Features & Benefits

#### Finely Stranded Tinned Copper Conductors

Fine stranding improves flex-life and reduces conductor fatigue and breakage. Tinned conductors resist corrosion and are easier to solder.

#### Specially Compounded Solid Polyethylene Insulation System

Provides excellent dielectric and insulation properties.

#### 90% Minimum Coverage Tinned Copper Braid Shield Plus Aluminum/Mylar Foil Shield Construction

Aluminum/Mylar Foil Shield over each pair, tinned copper braid overall shield provides protection against EM and RF interference.

#### Specially Compounded Purple TPE Jacket

Offers superior first-line defense against tearing, abrasion, impact, oil, ozone and most chemicals.

### Ordering Information

For complete product ordering information, please scan the QR Code or contact your TPC sales representative

Part No.	Configuration (AWG/ Conductor Count)	Nominal O.D. (in)	W.T. (lbs) Per 1,000 ft.	Standard Cable Gland*
RS400-024-1UTP-SFB	24/1 PR + Common	0.349	55	55002/55003
RS400-024-2UTP-SFB	24/2 PR + Common	0.396	81	55002/55004

### Notes

\*Grip-Seals® Aluminum straight cable gland part number listed. Sizing based on nominal cable O.D. Due to process tolerances, a smaller/larger gland size may be required. Confirm NPT Fitting Size matches application.