

HyperStream RS485 Cable

24AWG*2P, AL Foil, 90% TC Braid, LSZH Sheath



Applications

RS-485, POS; Computer communications; Low Voltage Analog Signals; Low Voltage Digital Control; Line Level Audio; Panel Wiring; serial communication (RS-485 standard) comprising of PLCs, VFDs, HMIs, motors, RTU, SCADA, etc.

Construction

Conductor Material	Stranded tinned copper
Insulation Material	Polyethylene (PE)
Number of Pairs	2
Core Identification	White/blue with stripe White/orange with stripe
Screen 1	AL-PET Tape
Screen 2	Tinned copper wire 90% coverage
Drain Wire	Stranded tinned copper
Sheath Material	Low smoke zero halogen (LSZH)
Sheath Color	Black

Dimensions

Conductor Diameter	24AWG (7/0.64 mm)
Insulation Diameter	1.70 mm Nom.
Braid Wire Diameter	0.12 mm
Drain Wire Diameter	24AWG (7/0.64 mm)
Overall Diameter	8.60 mm Nom.

Physical Characteristics

Bend Radius	Flexing 15 x OD Static 10 x OD
Temperature Rating	Flexing -10°C to +60°C Static -20°C to +70°C

Electrical Characteristics

Conductor DCR	86.2 Ω/KM Max. @20°C
Characteristic Impedance	120±25 Ω
Voltage Rating	300V
Attenuation	1.97 dB/100 Nom. @1MHz
Velocity of Propagation	66%
Max. Delay	530 ns / 100m
Test Voltage	2.5 kV x 5min
Capacitance	42pF/m Nom. (core/core) 76pF/m Nom. (core/screen)

Standards

RoHS Compliant	Yes
Reach Compliant	Yes
CE Compliant	Yes
UV Resistance	ISO 4892-2, method A
Flame Retardant	IEC 60332-1-2
Halogen & Corrosive Gas	IEC 60754-1/2
Smoke density	IEC 61034-2
CPR Classification	Eca EN 50575:2014+A1:2016