



# DyNet-STP-CABLE-LSZH

## 100MHz 100Ω STP 4 pair CAT5E

DyNet data cable is specifically designed for high reliability RS-485 network wiring. In addition to a twisted pair for RS-485 data, conductors are provided to supply DC power to network powered peripherals.

- Overall shield for maximum data integrity — The data cable is flexible and all conductors are stranded.
- Fast termination — Designed for robust termination into pressure-plate style terminals.
- Extra thick outer jacket — Mains rated for use in distribution boards.
- Supplied in 305 meter roll.

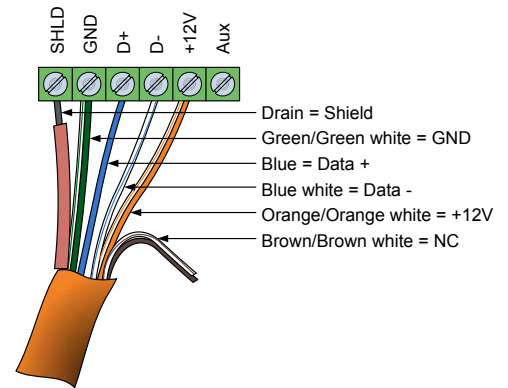
For detailed product information, please refer to the product information pages at [www.philips.com/dynalite](http://www.philips.com/dynalite) and follow the links.

## Specifications

Due to continuous improvements and innovations, specifications may change without notice.

Item	Specification	Details
Specifications	Conductors	4 twisted pairs and shield Construction: Stranded Bare Copper 7 x Ø 0.2 mm (24 AWG) Insulation: Polyethylene HDPE Ø 1.00 ± 0.02 mm
	Pair Identification	PAIR 1: blue/white-blue PAIR 2: orange/white-orange PAIR 3: green/white-green PAIR 4: brown/white-brown
	Shielding	Aluminium/Mylar tape, 100% coverage Draw Wire: Tinned Copper Ø 7 X 0.2 mm (24 AWG)
	Mechanical Characteristics	Outer jacket construction: LSZH Thickness 0.54 ± 0.05 mm Ø 6.2 ± 0.30 mm Outer jacket color: Orange Maximum cable bending radius installed: 8 times outer cable diameter Maximum tensile load - Installation: 100 N Maximum tensile load - Installed: no stretch
	Electrical Properties	Characteristic Impedance: 100 ± 5Ω @ 100 MHz Conductor DC loop resistance: Max 190 Ω / km DC resistance imbalance: Max 2.5% Dielectric strength between pairs: 1 KV RMS / minute Dielectric strength conductors to screen: 2.5 KV RMS / min Capacitance: 56 p F/m Capacitance Imbalance: Max 3.3 p F/M Velocity of Propagation: < 620 nsec / 100 m @ 100 MHzΩ Outer jacket voltage rating: 600 V RMS
Physical	Operating Conditions	Installation: -20 to 70° C ambient Humidity: 0 to 90% non-condensing
	Storage & Transport	Temperature: -20 to 70° C ambient Humidity: 0 to 90% non-condensing
	Packaging	Cable Length: 305 meters Carton: H 425 mm x W 212 mm x D 425 mm (H 16.7" x W 8.3" x D 16.7") Weight: 15.0 kg
Certification	Standards Compliance	CE, RoHS, ACA Approval (N1756) TIA/EIA-568B.2 Category 5E ISO/IEC 11801
Options & Ordering	DyNet Data Cable	DYNET-STP-CABLE-LSZH (Philips 12NC 913703041409)

## Network Wiring



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