



DyNet-STP-CABLE-LSZH

Cat5 Cable

100 MHz 100 Ω 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 devices.

DyNet-STP-CABLE-LSZH

100 MHz 100 Ω STP 4 pair Cat5e

- **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**

Specifications

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



Electrical

| | |
|--|-------------------------------------|
| Characteristic Impedance | 100 $\Omega \pm 5 \Omega$ @ 100 MHz |
| Conductor DC Loop Resistance | 190 Ω /km (max) |
| DC Resistance Imbalance | 2.5% (max) |
| Dielectric Strength Between Pairs | 1 KV RMS / minute |
| Dielectric Strength Conductors to Screen | 2.5 KV RMS / min |
| Capacitance | 56 pF/m |
| Capacitance Imbalance | 3.3 pF/M (max) |
| Maximum Delay | 620 ns/100 m @ 100 MHz |
| Outer Jacket Voltage Rating | 600 V RMS |

Conductors

| | |
|--------------|--|
| Wires | 4 x twisted pairs and shield |
| Construction | Stranded Bare Copper 0.2 mm ² (#24 AWG) 7-strand |
| Insulation | Polyethylene HDPE \varnothing 1.08 mm \pm 0.05 mm |
| Colors | blue/white-blue orange/white-orange green/white-green brown/white-brown |
| Shielding | Aluminium/Mylar tape, 100% coverage |
| Drain Wire | Tinned copper 0.2 mm ² (#24 AWG) 7-strand |

Physical

| | |
|-------------------------------------|---|
| Dimensions (Cross-Section) | \varnothing 6.8 mm \pm 0.30 mm |
| Shipping Carton (H x W x D) | 425 x 212 x 425 mm (16.7 x 8.3 x 16.7 in) |
| Packed Weight | 15 kg / 305 m roll (33 lb / 1000.6 ft roll) |
| Outer Jacket Construction | LSZH PVC |
| Outer Jacket Color | Orange |
| Outer Jacket Thickness | 0.54 mm \pm 0.05 mm |
| Minimum Bending Radius (Installed) | 55 mm |
| Maximum Tensile Load (Installation) | 100 N |
| Maximum Tensile Load (Installed) | 0 N |

Environment

| | |
|-------------------------------|-------------------------------------|
| Operating Temperature | -20° to 70°C ambient (-4° to 158°F) |
| Storage/Transport Temperature | -20° to 70°C ambient (-4° to 158°F) |
| Humidity | 0 to 90% non-condensing |

Compliance

| | |
|---------------|---|
| Certification | CE, RoHS ISO/IEC 11801 ACA Approval (N1756) TIA/EIA-568B.2 Category 5E |
|---------------|---|



Ordering Code

Product

DyNet-STP-CABLE-LSZH (305 m roll)

Philips 12NC

913703898809



© 2019 Signify Holding. All rights reserved. Specifications are subject to change without notice. No representation or warranty as to the accuracy or completeness of the information included herein is given and any liability for any action in reliance thereon is disclaimed. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V. All other trademarks are owned by Signify Holding or their respective owners.