

DyNet-F/UTP-CABLE-LSZH

Cat 5e Cable



Specification Sheet

Accessories > Connectivity Accessories



100 MHz 100 Ω F/UTP 4-pair Cat 5e

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.

Key Features

- **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** - Onsite termination required.

Specifications

Electrical	
Conductor DC Loop Resistance	190 Ω/km (max)
Characteristic Impedance	100 Ω ± 5 Ω @ 100 MHz
DC Resistance Imbalance	2.5% (max)
Dielectric Strength Between Pairs	1 KV RMS / minute
Dielectric Strength Conductors To Screen	2.5 KV RMS / minute
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 Ø 1.08 mm ± 0.05 mm
Colours	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)	Ø 6.8 mm ± 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 (Low Smoke Zero Halogen)
Outer Jacket Colour	Orange
Outer Jacket Thickness	0.54 mm ± 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)
Relative Humidity	≤90% non-condensing
Installation Note	For indoor installation only

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



Ordering Codes

Product		12NC
DyNet-F/UTP-CABLE-LSZH	305 m roll	913703898809