

ETHERLINE® TORSION

2 Pair Industrial Ethernet Cable

CAT5 BUS Cable for Torsion Flexing Applications



ETHERLINE® Torsion CAT5 Industrial Ethernet cables are designed to provide reliable network communications in Torsion Flexing applications. Tested to over 1 million flex cycles of 180° (Left/Right) over 1 meter, ETHERLINE® Torsion cables meet the most demanding motion requirements. Cable also conforms to the EIA/TIA-568 standard

Recommended Applications:

PLC automation networks, Device and Field Level Networking, ProfiNet, Ethernet IP and other Industrial Ethernet Networks

Application Advantage:

- Signal integrity in continuous motion applications 1 million cycles +/- 180°
- Flame resistant
- Oil resistant
- Flexible for ease of routing

ETHERLINE® TORSION:

Finely Stranded Conductors, FPE insulation with foil and braid shielding (85% coverage), Rugged PUR jacket

LAPP KABEL STUTTGART ETHERLINE® TORSION AWM CAT.5



Cable Attributes, See Page 653



Oil Resistance:
OR-05



Flame
Resistance:
FR-01



Motion Type:
T-01



Mechanical
Properties:
MP-05

Availability:



Standard put-ups are 328ft, 1640ft, and 3280ft. Bulk reels can be cut to length.

Complete the installation with:



SKINTOP®
Strain Relief:
Page 486



EPIC®
Connectors:
Page 251



OLFLEX®
Tubing:
Page 546



Cable
Assemblies
Page 633

Technical Data:



Minimum Bending Radius:

- static: 5 x cable diameter
- flexing: 10 x cable diameter



Characteristic Impedance:

100 Ohm +/- 15 Ohms



Nominal Capacitance:

17 pF/ft



Temperature Range:

- static: -40°C to +80°C
- flexing: -15°C to +70°C



Color Code:

White, Yellow, Blue, Orange



Nominal Voltage:

100V



Approvals: UL:

AWM 21161



Test Voltage:

700V

Part Number	Jacket	Conductor Description	Category	Max. Outer Diameter inches mm	Copper Weight lbs/mft	Jacket Color	Approx. Weight lbs/mft kg/km
Torsion Flex CAT 5 (1 million cycles +/- 180°)							
2170888	PUR (foil/braid)	22/ 2pr	CAT 5	.256 6.5	21	Green	35 52