

ETHERLINE® 4 Pair: CAT.6A TORSION

Industrial Ethernet Cable for Torsion Stress

LAPP KABEL STUTTGART ETHERLINE® CAT.6A TORSION



ETHERLINE® 4 Pair: CAT.6A TORSION is the first industrial Ethernet cable that meets CAT.6A requirements and can be used in torsion applications. The premium shielding allows reliable, high-speed data transfer. Jacket options include PVC and halogen-free polyurethane.

Recommended Applications

High-torsion stress applications; harsh industrial environments

Construction

Conductors: Stranded tinned copper

Pairs: 4 pairs individually shielded with aluminum compound foil

Insulation: Foam skin

Shielding: Overall copper braid

Jacket: Green PVC or polyurethane

Application Advantage

- Suitable for high-torsion stress
- Qualified for 10 Gigabit Ethernet
- Excellent EMI protection
- Oil-resistant jacket
- Conforms to PROFINET standard

Approvals



Lapp Systems Advantage

For Ethernet cordsets, see page 629



Cable Attributes

See attribute list by part number on page 240

OIL

FLAME

MOTION

MECHANICAL

Similar Cables

- ETHERLINE® 4 Pair: CAT.6A, Continuous Flex
- ETHERLINE® 2 Pair CAT.5 TORSION

Complete the Installation



RJ45 CAT.6A
Connectors:
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SKINTOP®
MS-SC:
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Technical Data

Minimum Bend Radius:	15 x cable diameter
Temperature Range:	
- for stationary use:	-40°C to +80°C
- for flexible use:	-10°C to +70°C
Nominal Voltage:	125V (not for power applications)

Characteristic Impedance: 100Ω ± 15Ω

Color Code: White/blue & blue, white/orange & orange, white/green & green, white/brown & brown

Approvals: RoHS

Part Number	Size / Pairs	Stranding	Jacket Material	Jacket Color	Approvals	Fast Connect	Nominal Outer Diameter (inches) (mm)		Approx. Weight (lbs/mft)	SKINTOP® MS-SC PG Thread
CAT.6A Cables										
2170482	24 AWG/4pr	7 wire	PVC	Green	PROFINET	No	0.355	9.0	59	53112220
2170483	24 AWG/4pr	7 wire	PUR	Green	PROFINET, UL/CSA AWM	No	0.355	9.0	60	53112220

Recommended SKINTOP® assumes minimal OD variance. Additional configurations are available, please see our SKINTOP® Section. Photographs are not to scale and are not true representations of the products in question. For current information go to our website. If not otherwise specified, all values relating to the product are nominal values.