

ETHERLINE® 4 Pair: CAT.6A; Continuous Flex

Industrial Ethernet Cable for Continuous Flex Applications

LAPP KABEL STUTTGART ETHERLINE® CAT.6A



This 4 pair ETHERLINE® cable is the first cable on the market that meets CAT.6A requirements and is suitable for continuous flex applications. Individually shielded pairs and an overall braid shield protect the cable from EMI and allow reliable, high-speed data transfer. The cable is available with a PVC or halogen-free polyurethane jacket.

Recommended Applications

Continuous flex applications; cable tracks; moving machine parts; harsh environments; qualified for CAT.6A = 10 Gbits/s

Approvals



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

- Qualified for 10 Gigabit Ethernet
- Premium shielding against EMI
- Oil-resistant jacket
- Conforms to PROFINET standard

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 TORSION

Complete the Installation



RJ45 CAT.6A Connectors: page 257



SKINTOP® MS-SC: page 528

Technical Data

Minimum Bend Radius:
- for continuous flexing: 15 x cable diameter

Temperature Range:
- for stationary use: -40°C to +80°C
- for continuous flexing: -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)	Nominal Outer Diameter (mm)	Approx. Weight (lbs/mft)	SKINTOP® MS-SC PG Thread
CAT.6A Cables										
2170485	24 AWG / 4pr	7 wire	PVC	Green	PROFINET	No	0.355	9.0	59	53112220
2170484	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.