

ETHERLINE® 4 pair: CAT.6A/CAT.7; stationary

Industrial Ethernet cable for stationary applications

LAPP KABEL STUTTGART ETHERLINE® P PiMF CAT.6A



LAPP KABEL STUTTGART ETHERLINE® H PiMF CAT.7



ETHERLINE® CAT.6A and CAT.7 cables are suitable for stationary applications. The 4 pairs are individually wrapped in metal foil and the overall braid provides additional protection against EMI. Three different jacket options are available.

Construction

Conductors: solid bare copper

Pairs: 4 pairs, individually shielded with foil tape

Insulation: polyethylene

Shielding: overall copper braid

Jacket: PVC, polyurethane, or halogen-free; green

Recommended applications

Stationary applications in harsh industrial environments; dry or damp rooms;
CAT.6A = 500 MHz; CAT.7 = 600 MHz

Application advantage

- Suitable for EtherCAT® & EtherNet/IP applications
- PUR jacket is highly resistant to mineral oils and abrasion
- Suitable for PoE per IEEE 802.3at

Approvals



EtherNet/IP

Cable attributes

page 648

See attribute list by part number on page 234

Complete the installation



SKINTOP®
MS-SC
page 522

ÖLFLEX® CONNECT solution



Industrial Ethernet cordsets
page 620

Technical data



Minimum bend radius:

- for stationary use: 10 x cable diameter



Temperature range:

- PUR & PVC: -40°C to +80°C
- halogen-free: -25°C to +80°C



Nominal voltage:

100V (not for power applications)



Test voltage:

700V



Characteristic impedance:

100Ω ± 15Ω



Color code:

white/blue & blue,
white/orange & orange,
white/green & green,
white/brown & brown



Approvals:

RoHS

Part number	Construction	Stranding	Jacket material	Jacket color	Approvals	Fast connect	PoE	Nominal outer diameter		Approx. weight lbs/mft	SKINTOP® MS-SC PG thread
								in	mm		
CAT.6A											
2170464	22 AWG/4pr	solid	PVC	green	—	no	yes	0.343	8.7	66	53112220
2170465	22 AWG/4pr	solid	PUR	green	—	no	yes	0.343	8.7	61	53112220
2170466	22 AWG/4pr	solid	halogen-free	green	—	no	yes	0.343	8.7	67	53112220
CAT.7											
2170474	22 AWG/4pr	solid	PVC	green	—	no	yes	0.343	8.7	66	53112220
2170475	22 AWG/4pr	solid	PUR	green	—	no	yes	0.343	8.7	61	53112220
2170476	22 AWG/4pr	solid	halogen-free	green	—	no	yes	0.343	8.7	67	53112220

EtherCAT® is a registered trademark of Beckhoff Automation GmbH.

Recommended SKINTOP® assumes minimal OD variance. Additional configurations are available; please see our SKINTOP® section.

If not otherwise specified, all values relating to the product are nominal values. Photographs are not to scale and are not true representations of the products in question.

for current information see: www.lapptannehill.com • sales@lapptannehill.com • 800.633.6339

