

4 pair cable**Data communication systems for Ethernet technology**

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

Industrial Ethernet cable for stationary applications



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



Cable attributes

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See attribute list by part number on page 234

Complete the installation



SKINTOP®
MS-SC
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ÖLFLEX® CONNECT solution



Industrial Ethernet cordsets
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Technical data

<input checked="" type="checkbox"/> Minimum bend radius: - for stationary use:	10 x cable diameter	<input checked="" type="checkbox"/> Characteristic impedance: 100Ω ± 15Ω
<input checked="" type="checkbox"/> Temperature range: - PUR & PVC: - halogen-free:	-40°C to +80°C -25°C to +80°C	<input checked="" type="checkbox"/> Color code: white/blue & blue, white/orange & orange, white/green & green, white/brown & brown
<input checked="" type="checkbox"/> Nominal voltage:	100V (not for power applications)	<input checked="" type="checkbox"/> Approvals: RoHS
<input checked="" type="checkbox"/> Test voltage:	700V	

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

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.

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