ETHERLINE® 2 pair: CAT.5e 105C Plus; flexible

Industrial Ethernet cable for high temperature flexible applications

ETHERLINE® 105C is designed to perform in high temperature applications. The 2 pair construction includes foil and braid shielding and a TPE-based jacket.

Construction

Conductors: bare copper wire

Insulation: polyethylene

Shielding: foil and copper braid

Jacket: TPE; green

Recommended applications

Flexible high temperature applications; installation in hollow shaft between gear units and pitch system; PLCs, sensors, and other network devices

Approvals

RoHS, PROFINET®, EtherCAT® Technology Group, EtherNet/IP

Application advantage

- Highly temperature resistant (105°C permanent, 120°C temporary)
- No need for additional protection against high temperatures
- Suitable for EtherCAT® & EtherNet/IP applications
- Conforms to PROFINET® standard
- Optimum EMC
- Suitable for PoE per IEEE 802.3at

Cable attributes			page 648
OIL	OR-04	FLAME	FR-00
MOTION	FL-02	MECH.	MP-05

Complete the installation

SKINTOP® MS-SC
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RJ45 connectors
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ÖLFLEX® CONNECT solution

ÖLFLEX® CONNECT CABLES
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Technical data

Minimum bend radius:
- for stationary use: 10 x cable diameter
- for flexible use: 15 x cable diameter

Temperature range:
- for stationary use: -40°C to +105°C (up to +120°C for temporary loads)
- for flexible use: -30°C to +105°C

Nominal voltage: 125V (not for power applications)

Characteristic impedance: 100Ω ± 15Ω

Color code: white, yellow, blue, orange

Approvals: RoHS

Part number	Construction	Stranding	Jacket material	Jacket color	Approvals	Fast connect	PoE	Nominal outer diameter in	Nominal outer diameter mm	Approx. weight lbs/mft	SKINTOP® MS-SC PG thread
CAT.5e											
2170636	22 AWG/2pr	7 wire	TPE	green	PROFINET®	no	yes	0.244	6.2	36	53112210