

# ETHERLINE® 4 Pair: CAT5/ CAT5e



4 Pair Industrial Ethernet Cable

CAT5/ CAT5e Bus Cable for Static and Continuous Flex Applications



ETHERLINE® CAT5/ CAT 5e Industrial Ethernet cables are designed to provide reliable network communications in the demanding Industrial and Process Control environment where difficult EMC conditions are pervasive. Conforming to the EIA/TIA-568 standard, Etherline CAT5/ CAT 5e Cables support full duplex high speed communications.

**Recommended Applications:**

PLC and DCS automation networks, Device and Field Level Networking, ProfiNet®, Ethernet IP and other Industrial Ethernet Networks

**Application Advantage:**

- Signal integrity in continuous motion applications
- Flame resistant
- Oil resistant
- Flexible for ease of routing

## ETHERLINE® 4 Pair: CAT5/CAT5e

Solid and stranded conductor options; FPE insulation with foil and braid shielding; jacketing options include PVC, Halogen-Free FRNC, and PUR.



**Cable Attributes, See Page 653**

Oil Resistance: OR-01	Flame Resistance: FR-02
Motion Type: FL-02 CF-01 (2170489)	Mechanical Properties: MP-01

**Availability:**

Standard put-ups are 164ft, 328ft, 1640ft, and 3280ft. Bulk reels can be cut to length.

**Complete the installation with:**

SKINTOP® Strain Relief: Page 486	EPIC® Connectors: Page 251
OLFLEX® Tubing: Page 546	Cable Assemblies: Page 633

### Technical Data:

- |   |  |
|---|--|
| Minimum Bending Radius:<br>- static: 5 x cable diameter<br>- flexing: 10 x cable diameter | Characteristic Impedance: 100 Ohm +/- 15 Ohms  |
| Temperature Range:<br>- static: -40°C to +80°C<br>- flexing: -20°C to +80°C               | Nominal Capacitance: 17 pF/ft  |
| Nominal Voltage: 125V Peak (Not for Power)  | Color Code: White/Blue & Blue<br>White/Orange & Orange<br>White/Green & Green<br>White/Brown & Brown |
| Test Voltage: cond/cond: 1000V<br>cond/shield: 500V                                       | Approvals: UL: CMG (2170886)<br>EIA/TIA 568  |

Part Number	Jacket	Conductor Description	Category	Nominal Outer Diameter inches	mm	Copper Weight lbs/mft	Jacket Color	Approx. Weight lbs/mft	kg/km
<b>Halogen-Free</b>									
2170296	Zero Halogen (foil)	24 (1/24) & 24/ 4pr	CAT 5e	.248	6.3	22	Teal	36	54
2170297	PUR foil Braid	24 (1/24) & 24/ 4pr	CAT 5e	.248	6.3	22	Teal	42	62
2170298	Zero Hal Double Jacket (Foil/Braid)	24 (1/24) & 22/ 4pr	CAT 5e	.295	7.5	22	Teal	54	80
2170886	Flexible (Foil/Braid)	22 (7/30) & 22/ 2 pr	CAT 5	.256	6.5	22	Teal	36	54
<b>Flexible- Halogen-Free</b>									
2170299	Zero Halogen	26 (7/34) & 26/ 4pr	CAT 5e	.240	6.1	17	Teal	32	48
2170300	PUR (Foil/Braid)	26 (7/34) & 26/ 4pr	CAT 5e	.240	6.1	17	Teal	36	54
<b>Continuous Flex- Halogen-Free</b>									
2170489	PUR (Braid)	26 (19/38) & 26/ 4pr	CAT 5e	.248	6.3	18	Teal	36	54

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