

# Industrial Ethernet Cordsets

Quick service with an inventory of RJ45 cordsets



**LAPP GROUP**

# Continuous Flex Industrial Ethernet Cordsets

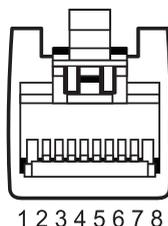
4 Pair CAT.5e extension cordsets with two 8-wire RJ45 connectors



The use of RJ45 connector in Ethernet network protocols is common. Lapp's ETHERLINE® continuous flex CAT.5e cable offers a unique solution for the demanding needs of motion systems, where a network connection has been integrated for program interface from remote locations.

## Pin Out

### Ethernet RJ45 Shielded



- 1 = White/Orange (+TX)
- 2 = Orange (-TX)
- 3 = White/Green (+RX)
- 4 = Blue
- 5 = White/Blue (-RX)
- 6 = Green
- 7 = White/Brown
- 8 = Brown

## Technical Data

- Materials:**
- Contact carrier: Polycarbonate
  - Molded head: Thermoplastic polyurethane; black\*
  - Contacts: Gold-plated brass
  - Shield: Copper braid or foil & copper braid
  - Cable jacket: Polyurethane; teal
  - Conductor insulation: Polyethylene

\* Color is typical, not standard

**Temperature Range:** -20°C to +70°C

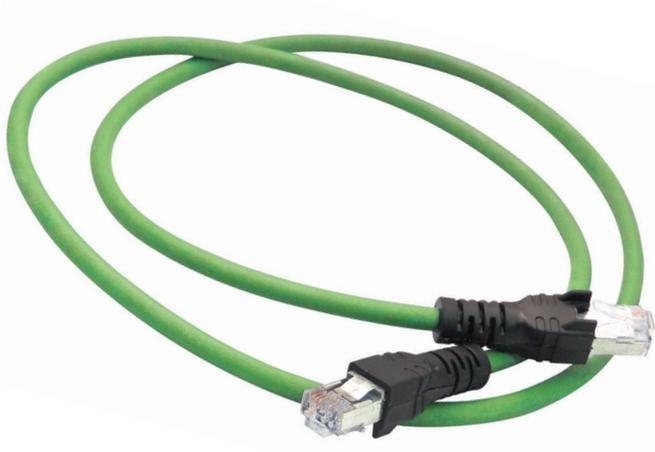
- Rated Voltage:** 42V
- Rated Current:** 1.5A
- Conductor Stranding:** stranded bare copper
- IP Protection Class:** IP20  
Meets NEMA 1, 3, 4, 6P
- Cable Rated Voltage:** 1000V (not for power applications)

Connector 1	Connector 2	Cable Length	Part Number
RJ45 Shielded	RJ45 Shielded	1m	C5E001F1
		2m	C5E001F2
		5m	C5E001F5
		10m	C5E001F10

RJ45 cordsets are in stock. Cordsets with M12 connector options, other motion types, and custom cable lengths are also available.

## Continuous Flex PROFINET® Cordsets

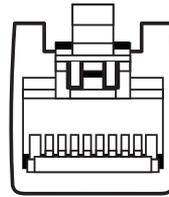
### 2 Pair CAT.5 extension cordsets with two 4-wire RJ45 connectors



These molded cordsets utilize high quality ETHERLINE® CAT.5 continuous flex cable and integral molded strain relief. For motion applications, these cordsets are designed to provide interconnection between simple devices (sensors and actuators) and high level devices (PLCs and computers).

#### Pin Out

##### Ethernet RJ45 Shielded



1 2 3 4 5 6 7 8

- 1 = Yellow (TD+)
- 2 = Orange (TD-)
- 3 = White (RD+)
- 4 = N/C
- 5 = N/C
- 6 = Blue (RD-)
- 7 = N/C
- 8 = N/C

#### Technical Data

 <b>Materials:</b>	
- Contact carrier:	Polycarbonate
- Molded head:	Thermoplastic polyurethane; black*
- Contacts:	Gold-plated brass
- Shield:	Foil & tinned copper braid
- Cable jacket:	Polyurethane; green
- Conductor insulation:	Polyethylene

\* Color is typical, not standard

 **Temperature Range:** -20°C to +60°C

 <b>Rated Voltage:</b>	42V
 <b>Rated Current:</b>	1.5A
 <b>Conductor Stranding:</b>	stranded bare copper
 <b>Protection Class:</b>	IP20
 <b>Cable:</b>	ETHERLINE® 2 Pair CAT.5
 <b>Cable Rated Voltage:</b>	100V (not for power applications)

Connector 1	Connector 2	Cable Length	Part Number
RJ45 Shielded	RJ45 Shielded	1m	CPN001F1
		2m	CPN001F2
		5m	CPN001F5
		10m	CPN001F10

RJ45 cordsets are in stock. Cordsets with M12 connector options, other motion types, and custom cable lengths are also available.

# Ordering made easy.

Know what you want? Simply fill out this order form and return to your Lapp representative. But there are options: email your complete form to [sales@lappusa.com](mailto:sales@lappusa.com) or fax to 973-660-9330. Submit your order via [www.lappusa.com/order\\_cordsets.htm](http://www.lappusa.com/order_cordsets.htm) if that's still not fast enough.

It doesn't stop there. Our extended line of ÖLFLEX® CONNECT cordsets offers more connector options, cable types, and network protocols for your industrial Ethernet and fieldbus applications.

Visit [lappusa.lappgroup.com/oelflex-connect](http://lappusa.lappgroup.com/oelflex-connect) for more options and to find out how Lapp's systems solutions can save you time and money.

## Ethernet CAT.5e Cordsets

<input checked="" type="checkbox"/>	Qty.	Part Number	Type	Length
<input type="checkbox"/>	_____	C5E001F1	cont. flex	1m
<input type="checkbox"/>	_____	C5E001F2	cont. flex	2m
<input type="checkbox"/>	_____	C5E001F5	cont. flex	5m
<input type="checkbox"/>	_____	C5E001F10	cont. flex	10m

## PROFINET® Cordsets

<input checked="" type="checkbox"/>	Qty.	Part Number	Type	Length
<input type="checkbox"/>	_____	CPN001F1	cont. flex	1m
<input type="checkbox"/>	_____	CPN001F2	cont. flex	2m
<input type="checkbox"/>	_____	CPN001F5	cont. flex	5m
<input type="checkbox"/>	_____	CPN001F10	cont. flex	10m



# Industry 4.0

## We see where this is going.

In Industry 4.0, development and production processes become more flexible, more efficient, and more customer-specific. Product development, production, logistics, and customers are intermeshed with the help of the latest intelligent information and communication technology. The Lapp Group is ready and is already actively helping to shape the fourth industrial revolution.



As a solution provider for industrial automation technologies, it is very important for Lapp to understand the product environment in which our products are and where they might be applied in the future. For this reason, we pay close attention to Industry 4.0 and are involved in the technology initiative Smart-Factory<sup>KL</sup> e.V.

The manufacturer-independent initiative clearly points out the benefits of using modern information technology in production environments. Manufacturers like Lapp have the opportunity to develop and test new solutions for future mechanical engineering in the SmartFactory<sup>KL</sup>. Lapp already offers complete solutions for all connections in smart factories.



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UNITRONIC®

EPIC®

SKINTOP®

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HITRONIC®

SILVYN®

FLEXIMARK®

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**[lappgroupna.com](http://lappgroupna.com)**