

# E Series

## Category 6 and 5e

TE Connectivity, world leader in copper and fiber connectivity, offers the E Series product line as the ideal solution to all your infrastructure needs for safe and reliable data transmission. Reliable and dependable, the E Series product portfolio is an economical solution guaranteed to meet the link and channel requirements of ANSI/TIA Category 6 and 5e performance.

- Compatible with SL Series modular jack termination tool
- Can be used in any keystone faceplate or mounting
- T568A or T568B Universal Wiring

## Category 5e

### COPPER SOLUTION COMPONENTS

#### UTP Cable

##### SPECIFICATIONS

<b>Mutual Capacitance:</b>	5.6 nF/100 m maximum
<b>Characteristic impedance:</b>	100 $\Omega$ $\pm$ 15%, 1 - 200 MHz
<b>Conductor DC resistance:</b>	28.6 $\Omega$ /1000 ft (9.38 $\Omega$ /100 m) maximum
<b>Voltage:</b>	300 VDC
<b>Delay Skew:</b>	45ns/100m maximum
<b>Propagation Delay:</b>	538ns/100m maximum @ 100MHz
<b>Nominal Velocity of Propagation:</b>	Plenum - 76% Riser - 69%
<b>Operating Temperature:</b>	-20°C - +60°C (-4°F - +140°F)
<b>Storage Temperature:</b>	-20°C - +80°C (-4°F - +176°F)
<b>Installation Temperature:</b>	5°C - +50°C (41°F - +122°F)
<b>Bend radius:</b>	4 $\times$ cable diameter
<b>Packaging:</b>	
<b>1000ft (<math>\pm</math> 2%) Reel:</b>	20 lbs/kft
<b>1000ft (<math>\pm</math> 2%) Pull Box:</b>	20 lbs/kft
<b>Materials:</b>	
<b>Conductors:</b>	24 AWG, Solid Copper
<b>Insulation:</b>	Plenum - 0.034" nominal, FEP/polyolefin Riser - 0.035" nominal, Polyethylene
<b>Jacket:</b>	Plenum - 0.182" nominal, LSPVC Riser - 0.185" nominal, PVC



##### ORDERING INFORMATION

Product Description	Part Number
Category 5e UTP Cable 4-Pair, Riser (CMR) Rated	TE510R-XXYY
Category 5e UTP Cable 4-Pair, Plenum (CMP) Rated	TE510P-XXYY

The following jacket colors are available. Replace XX with:

BL= Blue	WT=White	GY=Gray	YL=Yellow	GN=Green
BK=Black	RD=Red	OR=Orange	VT=Violet	BN=Brown

Replace YY with:

II= 1000 ft Pull-box O2= 1000 ft Reel

Additional reel sizes available, please contact TE customer service.

EVERY CONNECTION COUNTS



# E Series

## Category 5e

### MODULAR JACKS



#### ORDERING INFORMATION

Product Description	Part Number
Category 5e RJ45 Jack T568A/T568B Wiring	2111435-X

Jack colors are listed below (replace X with):

- |           |                                              |
|-----------|----------------------------------------------|
| -1 Almond | -8 Yellow                                    |
| -2 Black  | -9 Green                                     |
| -4 Gray   | 1—0 Violet (first and last number)           |
| -5 Orange | 1—1 Electrical Ivory (first and last number) |
| -6 Blue   | 1—3 Alpine White (first and last number)     |
| -7 Red    |                                              |

Note: jacks are individually packaged.  
Bulk package option is 25 jacks per bag, 4 bags per carton

### PATCH PANELS



#### ORDERING INFORMATION

Product Description	Part Number
Cat 5e 24-port 1RU patch panel with jacks	2111437-1
Cat 5e 48-port 2RU patch panel with jacks	2111438-1
24-port 1RU patch panel empty	2111527-1
48-port 2RU patch panel empty	2111528-1

Note: Panels packaged unloaded with jacks bagged separately for termination with SL series jack termination tool

### Field Installed Dust Cover



#### FEATURES

- RJ45 Dust Covers:
  - Makes dust cover an integral part of jack
  - Field installed
  - Protect contacts from dust, build-up and contaminants which can affect performance
  - Work with any RJ45 jack

#### ORDERING INFORMATION

Product Description	Color	Part Number
RJ45 Dust Cover	Clear	2111488-1

# E Series

## Category 6

# Category 6

## COPPER SOLUTION COMPONENTS

### UTP Cable

#### SPECIFICATIONS

<b>Mutual Capacitance:</b>	5.6 nF/100 m maximum
<b>Characteristic impedance:</b>	100 $\Omega$ $\pm$ 15%, 1 - 200 MHz
<b>Conductor DC resistance:</b>	28.6 $\Omega$ /1000 ft (9.38 $\Omega$ /100 m) maximum
<b>Voltage:</b>	300 VDC
<b>Delay Skew:</b>	45ns/100m maximum
<b>Propagation Delay:</b>	536ns/100m maximum @ 250MHz
<b>Nominal Velocity of Propagation:</b>	Plenum-72%; Riser-69%
<b>Operating Temperature:</b>	Plenum -20°C - +60°C (-4°F - +140°F) Riser -20°C - +75°C (-4°F - +167°F)
<b>Storage Temperature:</b>	-20°C - +80°C (-4°F - +176°F)
<b>Installation Temperature:</b>	5°C - +50°C (41°F - +122°F)
<b>Bend radius:</b>	4 $\times$ cable diameter
<b>Packaging:</b>	
<b>1000ft (<math>\pm</math> 2%) Reel:</b>	24 lbs/kft
<b>1000ft (<math>\pm</math> 2%) Pull Box:</b>	24 lbs/kft
<b>Materials:</b>	
<b>Conductors:</b>	24 AWG, Solid Copper
<b>Insulation:</b>	Plenum - 0.037" nominal, plenum grade materials Riser - 0.037" nominal, Polyethylene
<b>Jacket:</b>	Plenum - 0.210" nominal, FR PVC Riser - 0.210" nominal, FR PVC



#### ORDERING INFORMATION

Product Description	Part Number
Category 6 UTP Cable 4-Pair, Riser (CMR) Rated	TE610R-XXYY
Category 6 UTP Cable 4-Pair, Plenum (CMP) Rated	TE610P-XXYY

The following jacket colors are available. Replace XX with:

BL= Blue	WT=White	GY=Gray	YL=Yellow	GN=Green
BK=Black	RD=Red	OR=Orange	VT=Violet	BN=Brown

Replace YY with:

II= 1000 ft Pull-box O2= 1000 ft Reel

Additional reel sizes available, please contact TE customer service.

# E Series

## Category 6

### MODULAR JACKS



### ORDERING INFORMATION

Product Description	Part Number
Category 6 RJ45 Jack T568A/T568B Wiring	2111475-X

Jack colors are listed below (replace X with):

- 1 Almond
- 2 Black
- 4 Gray
- 5 Orange
- 6 Blue
- 7 Red
- 8 Yellow
- 9 Green
- 1-0 Violet (first and last number)
- 1-1 Electrical Ivory (first and last number)
- 1-3 Alpine White (first and last number)

Note: jacks are individually packaged.

Bulk package option is 25 jacks per bag, 4 bags per carton

### PATCH PANELS



### ORDERING INFORMATION

Product Description	Part Number
Cat 6 24-port 1RU patch panel with jacks	2111477-1
Cat 6 48-port 2RU patch panel with jacks	2111478-1
24-port 1RU patch panel empty	2111527-1
48-port 2RU patch panel empty	2111528-1

Note: Panels packaged unloaded with jacks bagged separately for termination with SL series jack termination tool

### Field Installed Dust Cover



### FEATURES

- RJ45 Dust Covers:
  - Makes dust cover an integral part of jack
  - Field installed
  - Protect contacts from dust, build-up and contaminants which can affect performance
  - Work with any RJ45 jack

### ORDERING INFORMATION

Product Description	Color	Part Number
RJ45 Dust Cover	Clear	2111488-1

## E Series

### Work Station Mounting Options

#### FACEPLATES



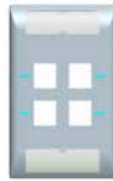
2111036-X



2111037-X



2111038-X



2111039-X



2111040-X



2111049-X



2111050-X



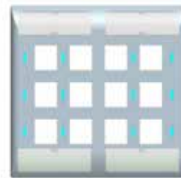
2111051-X



2111041-X



2111042-X



2111043-X



2111052-X



2111053-X



6644 1143-YY



6644 1144-YY

With its new modern design, TE Connectivity faceplates improve the appearance of outlet areas that house data and telephony connectors in everything from classrooms and hospitals to offices and homes. Our new faceplates offer molded icon slots and convex labels for maximum visibility in low density areas.

Engineered for residential and commercial applications, our sleek, updated faceplates offer several features not available with traditional models. For starters you get a wide range of port configurations, including single gang in 1, 2, 3, 4 and 6-port configurations and double gang in 6, 8 and 12-port configurations.

#### MODERN, SLEEK DESIGN

Our new faceplates come with a sleek 2 ¾ x 4 ½ profile. They accommodate TE Connectivity E Series and KL Series jacks.

- Compatible with E Series and KL jacks and inserts
- Port opening: IEC 60603-7 variant O3 0.760" (19.3mm)
- Faceplate dimensions: 2.75 in [69.85 mm] x 4.5 in [114.30 mm] x 0.22 in [5.59 mm]
- Models available with and without labeling options
- Labeling models feature mold-over icon and leveling
- Contour flip down label window
- Larger radius on the faceplate edge and the convex shape of the label covers allow labels to be more easily viewed from above when faceplates are behind furniture
- Extender kits are used to add 0.5 inches of space between the mounting surface and the faceplate
- Extender kit dimensions: 5.21 in [132.33 mm] x 2.89 in [73.50 mm] x 0.50 in [12.70 mm]

## E Series

### Work Station Mounting Options

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#### FACEPLATES

##### ORDERING INFORMATION

Product Description	Part Number
Single Gang 1 port	2111049-X
Single Gang 1 port with label covers and icons	2111036-X
Single Gang 2 ports	2111050-X
Single Gang 2 ports with label covers and icons	2111037-X
Single Gang 3 ports	2111051-X
Single Gang 3 ports with label covers and icons	2111038-X
Single Gang 4 ports	2111052-X
Single Gang 4 ports with label covers and icons	2111039-X
Single Gang 6 ports	2111053-X
Single Gang 6 ports with label covers and icons	2111040-X
Double Gang 6 ports with label covers and icons	2111041-X
Double Gang 8 ports with label covers and icons	2111042-X
Double Gang 12 ports with label covers and icons	2111043-X
Furniture Faceplate 3 ports with Labels and Icons	6644 1 143-YY *
Furniture Faceplate 4 ports with Labels and Icons	6644 1 144-YY **
Surface Mount Module 2 ports	1933668-X
Surface Mount Module 4 ports	1933671-X
Blank insert	2111486-X
F-Connector Coupler	6645 1 157-YY
BNC 75 ohm Coupler	6645 1 159-YY
SVGA Front Load	1-2111550-3
Extender Kit	2111201-X

The following colors are available. Replace X with:

-1 Almond 1-3 Alpine White (first and last number)

Replace YY with:

-01 White -02 Ivory -04 Black

\* Recommended opening: 2.65" x 1.377" (67.31 x 34.98 mm). Maximum thickness: 0.06" (1.52 mm).

\*\* Fits: opening: 1.890" x 1.920" (48 x 48.77 mm) high. 2.572" to 3.866" (65.33 to 98.2 mm) wide.  
Maximum thickness: 0.08" (2.03 mm).



## DATA SHEET



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