

# Sigma-Link Quick-Fit System

## Pre-terminated bundled Copper Cabling



### Product Features

- 24 ports per 1U, 6 port bundles
- Lengths 2-90m
- Factory assembled and 100% tested
- Bundles of 6 spiral-taped solid copper cables
- Quick-Fit housings, compatible with Universal Connectivity Platform (UCP)
- Four different types of far end termination available:
  - housing
  - loose jacks
  - open cable ends
  - loose plugs (for Class E<sub>A</sub> version)
- Housing-to-Housing version features integrated Plastic Optical Fiber (POF) for easy tracing of far end
- Housing-to-Plugs version for service presentation in Data Centers of Mobile Operators

### Sigma-Link - A Pre-Terminated Copper System For Networking Infrastructures

The Sigma-Link portfolio has been developed to support Efficiency in networking infrastructures and installations. As a pre-terminated copper system it allows the IT Manager to quickly deploy a cabling channel with the guarantee of 100% throughput performance, by design.

Sigma-Link can be deployed in any application that requires copper twisted pair cabling as the medium of transport. It can be used to connect Users to Switches, Switches to other Switches, or Switches to Servers. Ranging from Category 6 to Category 7<sub>A</sub>, Sigma-Link supports up to 10GbE (10 Gigabit Ethernet) transmission and beyond, allowing very high bandwidth applications and protocols to be supported in the future.

The majority of networks deployed across the globe today are based on copper channels and links, with the expectation that they will support business critical applications 24 hours a day, 7 days a week, 365 days of the year. Sigma-Link makes an excellent choice to support that expectation in the following ways:

**1. Guaranteed Quality** - As a pre-terminated system Sigma-Link arrives at the installation location ready to work, and to guaranteed levels of performance and quality. This eliminates inefficient workflow due to terminations and guessing what the final transmission performance of a link will be. Every link is tested prior to leaving the factory.

**2. Fast Deployment** - As a Housing-to-Housing system, Sigma-Link Quick-Fit can be quickly located into UCP panels from TE, taking minimal time to deploy and configure a new channel in the network. Housing-to-Jacks and Housing-to-Plugs versions are also available.

**3. High Bandwidth Delivery** - Available as a Class F<sub>A</sub> (Category 7<sub>A</sub>) system, Sigma-Link has the capability to support future "bandwidth hungry" applications. Offering Class F<sub>A</sub> doubles the bandwidth capacity compared to what is being offered by class E<sub>A</sub> channels (i.e. total 1000MHz).

# Sigma-Link Quick-Fit System

## Σ-Link Quick-Fit Cable Assemblies Class F<sub>A</sub> - PL

### FEATURES

- Bundle of 6 x 4 pair solid Category 7<sub>A</sub> S/FTP cable (compliant to IEC 61156-5)
- LSFRZH sheath



### Termination guidelines for Σ-Link Housing-to-Open end:

Install jacks with tool (AMP PN 0-1725150-1) according to instruction sheet 411-93013.

Use following jacks: AMP-TWIST 7<sub>A</sub>S

(AMP PN 0-1711437-1 without dustcover or 0-1711441-1 with dustcover)

### Note:

To achieve PL performance cable length should be > 2 m (2 connector model) according to ISO 11801 spec.

Y- -X	Length
0- -2	2 m
0- -5	5 m
1- -0	10 m
1- -5	15 m
2- -0	20 m
2- -5	25 m
3- -0	30 m
3- -5	35 m
4- -0	40 m
5- -0	50 m
6- -0	60 m
7- -0	70 m
8- -0	80 m
9- -0	90 m

### ORDERING INFORMATION

Description	Part Number
Sigma-Link Cable Assembly Housing-to-Housing with POF Class F <sub>A</sub> STP	Y-2153150-X
Sigma-Link Cable Assembly Housing-to-Jacks Class F <sub>A</sub> STP	Y-2153151-X
Sigma-Link Cable Assembly Housing-to-Open End Class F <sub>A</sub> STP	Y-2153152-X

## Σ-Link Quick-Fit Cable Assemblies Class E<sub>A</sub> - PL

### FEATURES

- Bundle of 6 x 4 pair solid Category 7 F/FTP cable
- LSZH sheath

### Termination guidelines for Σ-Link Housing-to-Open end:

Install jacks with tool (AMP PN 0-1725150-1) according to instruction sheet 411-93016.

Use following jacks: AMP-TWIST 6<sub>A</sub>S

(AMP PN 0-1711716-1 without dustcover or 0-1711592-1 with dustcover).

### Note:

To achieve PL performance cable length should be > 2 m (2 connector model) according to ISO 11801 spec.



Y- -X	Length
0- -2	2 m
0- -5	5 m
1- -0	10 m
1- -5	15 m
2- -0*	20 m
2- -5*	25 m
3- -0*	30 m
3- -5*	35 m
4- -0*	40 m
5- -0*	50 m
6- -0*	60 m
7- -0*	70 m
8- -0*	80 m
9- -0*	90 m

\* not applicable for Housing-to-Plugs version

### ORDERING INFORMATION

Description	Part Number
Sigma-Link Cable Assembly Housing-to-Housing with PoF Class E <sub>A</sub> STP	Y-2153146-X
Sigma-Link Cable Assembly Housing-to-Jacks Class E <sub>A</sub> STP	Y-2153147-X
Sigma-Link Cable Assembly Housing-to-Open End Class E <sub>A</sub> STP	Y-2153148-X
Sigma-Link Cable Assembly Housing-to-Plugs Class E <sub>A</sub> STP (Only available up to 15 m! Shorter lengths between increments on request.)	Y-2153149-X

# Sigma-Link Quick-Fit System

## Σ-Link Quick-Fit Cable Assemblies Class E - PL

### FEATURES

- Bundle of 6 x 4 pair solid Category 6 U/UTP Cable
- LSZH Sheath



### Termination guidelines for Σ-Link Housing-to-Open end:

Install jacks with tool (AMP PN 0-1725150-1) according to instruction sheet 408-8858

Use following jacks: Cat 6 RJ45 SL 110 connect (AMP PN 0-1375055-X without dustcover or 0-1375187-X with dustcover)

### Note:

To achieve PL performance cable length should be > 2 m (2 connector model) according to ISO 11801 spec.

Y- -X	Length
0- -2	2 m
0- -5	5 m
1- -0	10 m
1- -5	15 m
2- -0	20 m
2- -5	25 m
3- -0	30 m
3- -5	35 m
4- -0	40 m
5- -0	50 m
6- -0	60 m
7- -0	70 m
8- -0	80 m
9- -0	90 m

### ORDERING INFORMATION

Description	Part Number
Sigma-Link Cable Assembly Housing-to-Housing with POF Class E UTP	Y-2153140-X
Sigma-Link Cable Assembly Housing-to-Jacks Class E UTP	Y-2153141-X
Sigma-Link Cable Assembly Housing-to-Open End Class E UTP	Y-2153142-X

## UCP Patch Panel Angled and Flushmount

### FEATURES:

- 19" 1U unloaded modular patch panel with support for 4 Quick-Fit modules
- Angled and flush style panels available
- Modular, rear cable management for both horizontal Copper and Fiber cables
- Accepts Pre-terminated Cu or FO cassettes or Field-terminated
- Copper modules
- Including grounding bolt



**Color:** black (RAL 9005)

### ORDERING INFORMATION

Description	Part Number
UCP Patch Panel 1U Angled	1-1671590-1
UCP Patch Panel 1U Flush	1-1671594-1

# Sigma-Link Quick-Fit System

## Xtra-U Copper Panel without Cable Management

### FEATURES

- 3U Bracket to support a single Copper Quick-Fit cassette or module
- Including grounding bolt

**Color:** black (RAL 9005)



### ORDERING INFORMATION

Description	Part Number
Xtra-U Copper Panel without Cable Management (for standard racks)	1-1671548-1
Xtra-U Copper Panel without Cable Management (for NETpodium rack)	1-1671551-1

## Quick-Fit Consolidation Point Box

### FEATURES

- Wall mount or raised floor use
- Hinged cover with knurled screw
- Installer friendly low profile (H = 56mm)
- Dust resistant, robust construction
- Integrated strain relief feature
- Including grounding bolt

**Color:** Black (RAL 9005)



### ORDERING INFORMATION

Description	Part Number
Quick-Fit Consolidation Point Box	1-1671414-1

## Σ-Link identifier lamp

### FEATURES

- Identifies the far end of the installed link
- Easy mounting on the housings

### ORDERING INFORMATION

Description	Part Number
Sigma-Link identifier lamp; blue LED	1-1671330-1



### North America

Greensboro, NC, USA  
Ph: +1-800-553-0938  
Fx: +1-717-986-7406

### Latin America

Buenos Aires, Argentina  
Ph: +54-11-4733-2200  
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### Europe

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### SAARC

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### Asia

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### Pacific

Sydney, Australia  
Ph: +61-2-8748-9500  
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## SYSTEM OVERVIEW

Please contact us at one of the regional offices shown above.

AMP NETCONNECT Website:  
[www.te.com/enterprise-eu](http://www.te.com/enterprise-eu)

TE Connectivity Corporate Website:  
[www.te.com](http://www.te.com)



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