

# AMP-TWIST-7<sub>A</sub>S SL System

## Quick Termination Cat. 7<sub>A</sub> Connector

The **AMP NETCONNECT AMP-TWIST-7<sub>A</sub>S SL connector** is the technical evolution of AMP NETCONNECT's very successful AMP-TWIST technology. This technology combines easiest installation with the high density SlimLine (SL) style.

The **AMP-TWIST-7<sub>A</sub>S SL connector** has been designed to offer premium performance well above the future upcoming Cat. 7<sub>A</sub> frequency limit of 1000 MHz. Excellent shielding/screening performance together with optimized quadrant design allows a connector performance tested up to 1500 MHz on all pairs. This bandwidth closes the gap between the connector performance and today's established

high PiMF cable performance resulting in a system operating frequency which is 2 times higher than the upcoming Cat. 7<sub>A</sub> frequency limit.

This extra system bandwidth enables the reliable function in demanding applications such as CATV (upper frequency requirement of 862 MHz), broadband video and high speed data distribution. Additionally, it offers enormous multimedia capabilities even when several services run in one single cable (sheath sharing).

The **AMP NETCONNECT AMP-TWIST-7<sub>A</sub>S SL connector** offers high performance and long lifetime for a universal telecommunication cabling system.

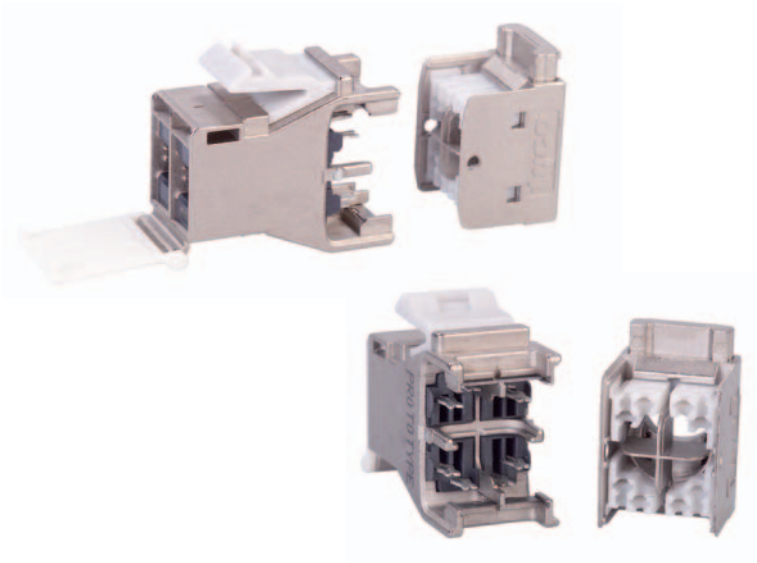
## Product Facts

- **Class F<sub>A</sub>/Category 7<sub>A</sub> acc. ISO/IEC 11801, 2nd edition, Amendment 1.1**
- **Excellent multimedia performance for CATV, TriplePlay & Video distribution**
- **Quick Termination (2 min.) using Tyco's patented AWC-technology**
- **Extremely high screen/shield effectiveness due to metal overlap technology (MOT)**
- **Patented spring-loaded 360°Screen Termination**
- **Integrated Strain Relief**
- **Slim-Line (SL) Design for High-Density applications**
- **Re-usable**
- **High density sheath sharing ability**
- **SL termination tool compatible**



Our commitment. Your advantage.

## AMP-TWIST-7<sub>A</sub>S SL Connector



**AMP-TWIST-7<sub>A</sub>S SL Jack, without dustcover**  
Partnumber 0-1711437-1

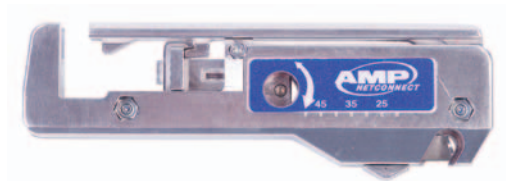
**AMP-TWIST-7<sub>A</sub>S SL Jack, with dustcover**  
Partnumber 0-1711441-1

## Termination Tool for AMP NETCONNECT SL connectors

The new AMP NETCONNECT SL termination tool with the new PiMF foil stripping functionality makes a Cat. 7<sub>A</sub> installation process as easy and quick like Cat. 5e terminations. The tool combines all termination process functions in a single device:

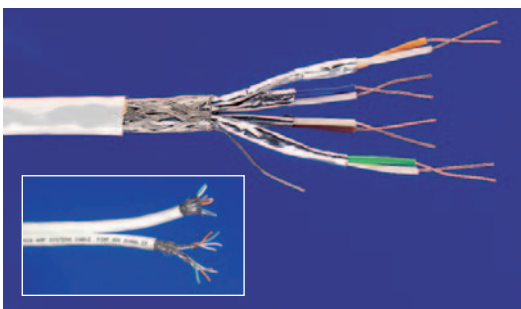
- Stripping the cable
- Stripping the PiMF pair foils
- Terminating the connector

In addition to the multi-functionality it offers an extremely fast Cat. 7<sub>A</sub> termination by using Tyco's AWC-technology, a mass termination method with automatic wire cutting. Simultaneously, it optimizes the performance and the reproducibility of the termination process. The use of the SL termination tool is mandatory for the termination of the AMP-TWIST-7<sub>A</sub>S SL connector.



**Toolkit for AMP-TWIST SL connectors**  
Partnumber 0-1725150-3

## AMP-TWIST-7<sub>A</sub>S System Cable



**Product Facts:**

- 1200 MHz high performance S/FTP cable, **tested up to 1500 MHz**
- Enables broadband applications like CATV, multi-media etc
- Individually shielded pairs (aluminium foil) plus overall copper braid
- AWG 22 solid conductor
- LSZH sheath material

**Color:** white



AWG	Type	OD	Packaging	Part Number
22	Simplex	9,0 mm	1000 m/Reel	<b>0-1499101-1</b>
22	Duplex	2 x 9,0 mm	500 m/Reel	<b>0-1711003-1</b>

## AMP-TWIST-7<sub>A</sub> System Patch Cords



Y- X	Length
1- -1	0,5 m
0- -1	1,0 m
1- -2	1,5 m
0- -2	2,0 m
0- -3	3,0 m
0- -5	5,0 m
1- -4	7,5 m
1- -0	10,0 m
1- -5	15,0 m
2- -0	20,0 m

- Sheath Color: White
- Sheath Material: LSZH

\* For availability please contact your AMP NETCONNECT sales office.

Type	AMP-TWIST-7 <sub>A</sub> boot color	RJ-45 boot color	Per- formance	Part Number
4Pair AMP-TWIST-7 <sub>A</sub> // 4Pair AMP-TWIST-7 <sub>A</sub> , 1200 MHz stranded PIMF Cable	black	black	Cat. 7 <sub>A</sub>	<b>Y-1711637-X</b>
4Pair AMP-TWIST-7 <sub>A</sub> // 4Pair AMP-TWIST-7 <sub>A</sub> , 600 MHz stranded PIMF Cable	black	black	Cat. 7	<b>Y-1711177-X</b>
4Pair AMP-TWIST-7 <sub>A</sub> // RJ-45, 600 MHz stranded PIMF Cable	black	black	Cat. 6 <sub>A</sub>	<b>Y-0336488-X</b>
4Pair AMP-TWIST-7 <sub>A</sub> // RJ-45, 600 MHz stranded PIMF Cable	red	red	Cat. 6 <sub>A</sub> *	<b>Y-1711628-X</b>
4Pair AMP-TWIST-7 <sub>A</sub> // RJ-45, 600 MHz stranded PIMF Cable	blue	blue	Cat. 6 <sub>A</sub> *	<b>Y-1711629-X</b>
4Pair AMP-TWIST-7 <sub>A</sub> // RJ-45, 600 MHz stranded PIMF Cable	green	green	Cat. 6 <sub>A</sub> *	<b>Y-1711630-X</b>
4Pair AMP-TWIST-7 <sub>A</sub> // RJ-45, 600 MHz stranded PIMF Cable	yellow	yellow	Cat. 6 <sub>A</sub> *	<b>Y-1711631-X</b>
2Pair AMP-TWIST-7 <sub>A</sub> // RJ-45, Ethernet Pinout (12/36), shielded	black	black	Cat. 5e	<b>Y-1711613-X</b>
2Pair AMP-TWIST-7 <sub>A</sub> // RJ-45, Ethernet Pinout (12/36), shielded	red	red	Cat. 5e*	<b>Y-1711614-X</b>
2Pair AMP-TWIST-7 <sub>A</sub> // RJ-45, Ethernet Pinout (12/36), shielded	blue	blue	Cat. 5e*	<b>Y-1711615-X</b>
2Pair AMP-TWIST-7 <sub>A</sub> // RJ-45, Ethernet Pinout (12/36), shielded	green	green	Cat. 5e*	<b>Y-1711616-X</b>
2Pair AMP-TWIST-7 <sub>A</sub> // RJ-45, Ethernet Pinout (12/36), shielded	yellow	yellow	Cat. 5e*	<b>Y-1711617-X</b>
2Pair AMP-TWIST-7 <sub>A</sub> // RJ-45, Token Ring/ISDN Pinout (36/45), shielded	black	black	Cat. 5e	<b>Y-1711618-X</b>
2Pair AMP-TWIST-7 <sub>A</sub> // RJ-45, Token Ring/ISDN Pinout (36/45), shielded	red	red	Cat. 5e*	<b>Y-1711619-X</b>
2Pair AMP-TWIST-7 <sub>A</sub> // RJ-45, Token Ring/ISDN Pinout (36/45), shielded	blue	blue	Cat. 5e*	<b>Y-1711620-X</b>
2Pair AMP-TWIST-7 <sub>A</sub> // RJ-45, Token Ring/ISDN Pinout (36/45), shielded	green	green	Cat. 5e*	<b>Y-1711621-X</b>
2Pair AMP-TWIST-7 <sub>A</sub> // RJ-45, Token Ring/ISDN Pinout (36/45), shielded	yellow	yellow	Cat. 5e*	<b>Y-1711622-X</b>
1Pair AMP-TWIST-7 <sub>A</sub> // RJ-11, voice	black	none	Cat. 3	<b>Y-1711623-X</b>
1Pair AMP-TWIST-7 <sub>A</sub> // COAX, CATV application with integrated Balun	black	none	CATV	<b>Y-1711623-X</b>

## AMP NETCONNECT SL-Style Panel

AMPTRAC is the Intelligent Infrastructure Management System from AMP NETCONNECT. All AMPTRAC *Ready!* Patch Panels offer the option to install only the passive cabling hardware now and to implement the AMPTRAC System later by simply attaching an I/O Upgrade Kit to the front of these panels - without any disruption of the installed cabling!

Description	Picture	Part Number
Full AMPTRAC unloaded flushmount panels*	black (RAL 9005)	<b>0-1711278-1</b>
AMPTRAC <i>Ready!</i> unloaded flushmount panels	black (RAL 9005)	<b>0-1711278-2</b>
AMPTRAC <i>Ready!</i> unloaded flushmount panels	light grey (RAL 7035)	<b>0-1711278-3</b>
I/O Upgrade Kit from AMPTRAC <i>Ready!</i> to Full AMPTRAC*	black	<b>0-1711148-1</b>

\* Only applicable on jacks without dust cover.



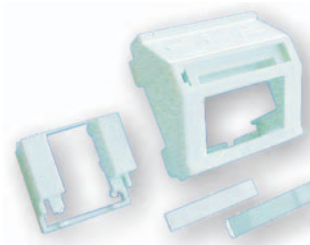
## AMP NETCONNECT SL-Style Outlets



A



B



C

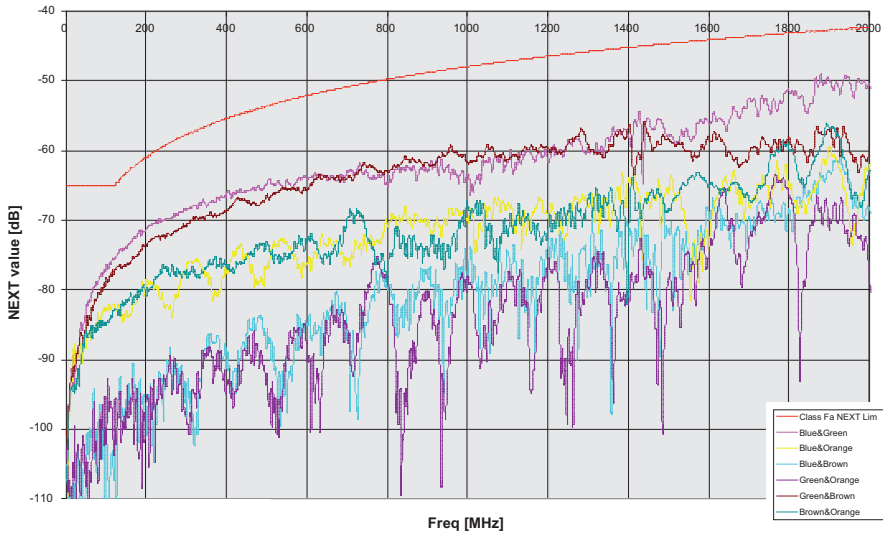
Description	Picture	Part Number
3-port Outlet for "DIN" environment, 50 x 50 mm	A	<b>X-0336613-1</b>
3-port Outlet for "DIN" environment, 50 x 50 mm, incl. 80 x 80 mm frame	A	<b>X-0336614-1</b>
SL Jack mounting frame for Ackermann floorboxes, unpainted	B	<b>0-1711255-Y</b>
2-port Outlet for "Mosaic" environment, 45 x 45 mm	C	<b>0-0336793-Z</b>

X-	-Y	-Z	Color or Version
0-			almond (RAL 1013)
2-			pure white (RAL 9010)
	-1		6-port short version
	-2		9-port long version
		-1	pure white (RAL 9010)
		-2	almond (RAL 1013)

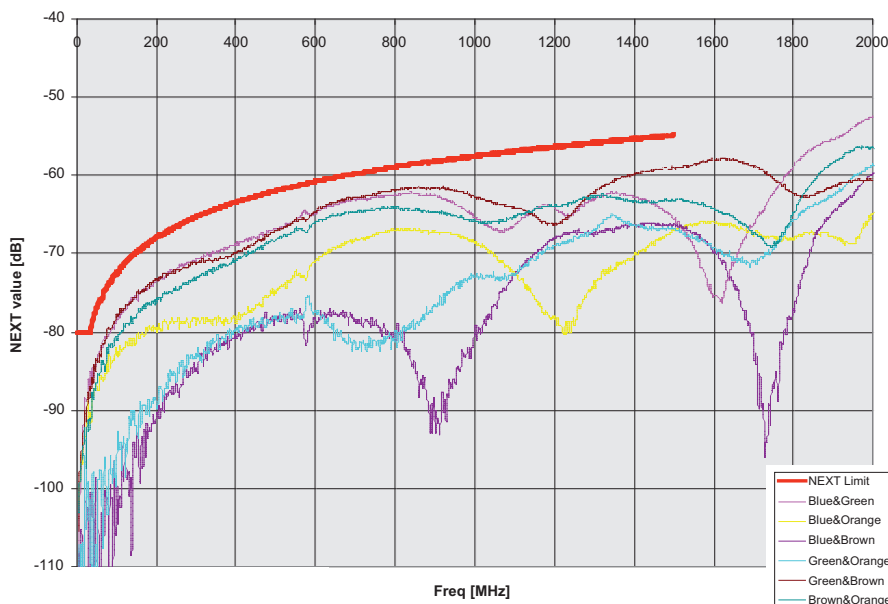
For a complete list of compatible faceplates please contact your local AMP NETCONNECT sales engineer.

# Performance Overview

**Class F<sub>A</sub> (extrapolated up to 2 GHz) 2-connector Channel**  
**90 m Perm Link + 1 m Patch Cord at each end**  
**NEXT requirement according to 3rd FPDAM to ISO/IEC 11801:2002 Oct'06**



**AMP TWIST 7<sub>A</sub>S SL Jack**  
**Cat. 7<sub>A</sub> NEXT Connection Hdw requirement according to**  
**FDIS IE C 61076-3-104 Ed. 2 (extrapolated up to 1.5 GHz)**



## Performance Facts

- Class F<sub>A</sub>/Category 7<sub>A</sub> acc. ISO/IEC 11801, 2nd edition, Amendment 1.1
- Exceeds all ICT and BCT-C performance requirements of ISO/IEC 15018
- 4 chamber connector, fully compatible to IEC 61076-3-104 Ed.2, 1000 MHz
- Connector performance tested up to 1500 MHz
- Channel performance tested up to 2 GHz
- Guaranteed 100m channel length for IEEE 802.3an (10GBASE-T)

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