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**1. General**

**Description**

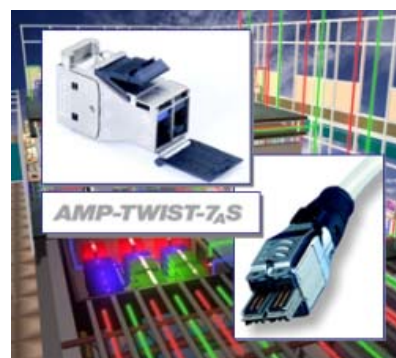
**AMP-TWIST-7<sub>A</sub>S Class FA (Cat. 7<sub>A</sub>)** Multimedia Cabling System providing enhanced performance up 1.000 MHz bandwidth for today's and future voice, data and multimedia applications. The completely shielded system exceeds all requirements for 10GigaBit Ethernet (10GBase-T) and complies by design with the latest requirements of Alien Crosstalk (ANEXT) and therefore does not require any kind of ANEXT field test after final installation. For multimedia services like CCTV and CATV (with impedance matching), but also for building automation cabling, the system provides the feature of cable sharing, what means the transmission of different applications via one common cable.

The shielded system is optimized for installations with a wide range of PiMF cable options like S/FTP 1.200 MHz (AWG22 or AWG23) and S/FTP 600 MHz.

The AMP-TWIST-7<sub>A</sub>S SL Jack with the industry standard quad interface, compliant to IEC 61076-3-104 ("TERA"), integrates the AWC technology for reliable and highest quality Class F<sub>A</sub> terminations on both sides of a link. An optimized overall shield performance is guaranteed by a 360° spring loaded shield clamp at the rear side of the AMP-TWIST-7<sub>A</sub>S SL Jack, which have to be terminated with the AMP NETCONNECT 4pair SL Termination Tool.

A choice of different patch panels, faceplates, outlets and consolidation points allow the installation of the AMP-TWIST-7<sub>A</sub>S Cabling System in various environments. AMPTRAC or AMPTRAC Ready patch panels provide the option for a later easy upgrade and integration into an Intelligent Infrastructure Management System (IIMS). The cable sharing flexibility is supported by the range of 4pair-, 2pair- and 1pair patchcords with different interfaces, also with integrated baluns for impedance matching.

The system complies in all aspects with the latest revisions of the international standards like ISO/IEC 11801, EN 50173 and EIA/TIA 568. If installed by an authorized AMP NETCONNECT Partner, the complete solution is covered by the 25 Years AMP NETCONNECT warranty.



**AMPTRAC™**  
*Ready!*


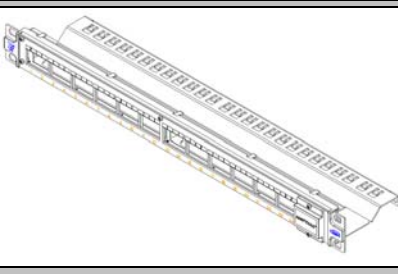


TERA is a Trademark of the Siemon Company

## 2. System Cables


Description	Picture
<p>AMP NETCONNECT System Cable, <b>S/FTP PiMF, 1.200 MHz</b> (tested up to 1.500 MHz) 4 pair AWG22, LSFRZH Jacket compliant to IEC 60332-3-24, colour: white, for high performance data, multimedia and CATV applications</p> <p>Part Number: 0-1499101-1 (reel 1000m)</p>	
<p>AMP NETCONNECT System Cable, <b>S/FTP PiMF, 1.200 MHz</b> (tested up to 1.300 MHz) 4 pair AWG23, LSFRZH Jacket compliant to IEC 60332-3-24, colour: white, for high performance data, multimedia and CATV applications</p> <p>Part Number: 0-1499102-1 (reel 1000m)</p>	
<p>AMP NETCONNECT System Cable, <b>S/FTP PiMF, 600 MHz</b> (tested up to 1.000 MHz) 4 pair AWG23, LSFRZH Jacket compliant to IEC 60332-3-24, colour: white, for high performance data, multimedia and CATV applications</p> <p>Part Number: 0-0057893-1 (reel 1000m)</p>	

## 3. Patch Panels


Description	Picture
<p>AMP NETCONNECT <b>Modular Patch Panel</b>, unloaded, shielded, AMPTRAC Ready for later upgrade &amp; integration into IIMS, for up to 24 AMP-TWIST-7<sub>A</sub>S SL Modular Jacks, 19", 1U, with rear cable management and VDE grounding bolt, colour: black (RAL 9005)</p> <p>Part Number: 0-1711685-1</p>	
<p>AMP NETCONNECT <b>AMPTRAC Modular Patch Panel</b>, unloaded, shielded, with integrated AMPTRAC sensor contacts and I/O interface for integration into IIMS, for up to 24 AMP-TWIST-7<sub>A</sub>S SL Modular Jacks, 19", 1U, with rear cable management and VDE grounding bolt, colour: black (RAL 9005)</p> <p>Part Number: 0-1711742-1</p>	

Note: In case of later upgrade and integration into AMPTRAC IIMS, panels need to be equipped only with AMP-TWIST-7<sub>A</sub>S SL Modular Jacks Part Number 0-1711437-1 (version without integrated dust cover). Upgrade kit for AMPTRAC Ready panel (part number 0-1711685-1)= part number: 0-1711749-1.

#### 4. AMP-TWIST-7<sub>A</sub>S Modular Jacks

Description	Picture
<p>AMP NETCONNECT <b>AMP-TWIST-7<sub>A</sub>S SL Modular Jack</b>, Category 7<sub>A</sub>, Shielded Quad Design with 4 chambers according to IEC 61076-3-104, tested up to 1.000 MHz, two piece die-cast housing, rear cable manager with spring loaded 360° shield termination and strain relief, front connector body with IEC 61076-3-104 compatible (TERA) interface and integrated AWC technology, to be fast and reliable terminated with the 4 Pair SL Termination Tool.</p> <p>Part Numbers:</p> <p>0-1711437-1 without integrated dust cover            0-1711441-1 with integrated dust cover</p>	 <p>The image shows three views of the AMP-TWIST-7<sub>A</sub>S SL Modular Jack. The top view shows the full assembly with a dust cover. The bottom left view shows the front connector body with the TERA interface. The bottom right view shows the rear cable manager with the spring-loaded shield termination and strain relief.</p>




#### 5. SL Installation Tool

Description	Picture
<p>AMP NETCONNECT <b>4Pair SL Termination Tool</b>, for reliable and fast installation of all SL Style Modular Jacks, terminates of all 4 pairs in one operation cycle with controlled impact, integrated jacket stripper.</p> <p>Part Number: 0-1725150-1</p>	 <p>The image shows the AMP 4Pair SL Termination Tool, a silver metal tool with a long handle and a specialized head for terminating four pairs of wires simultaneously.</p>


**6.1. DIN Style Faceplates & Outlets**

Description	Picture
<p>AMP NETCONNECT <b>DIN Flushmount 3 Port Outlet</b>, metal mounting frame (DIN size) and 50x50mm faceplate white (RAL 9010), for installation of up to 3 AMP-TWIST-7<sub>A</sub>S SL Modular Jacks</p> <p>Part Numbers:                      0-1711537-2 including 50x50 faceplate &amp; 80x80 frame                      0-1711485-2 including 50x50 faceplate</p>	
<p>AMP NETCONNECT <b>DIN Faceplate Frame (80x80/50x50)</b>, colour white (RAL 9010)</p> <p>Part Number: 5-0336608-1</p>	
<p>AMP NETCONNECT <b>DIN 2 Port Faceplate</b>, metal DIN size mounting frame, faceplate white (RAL 9010) with integrated spring loaded front shutters for mounting of up to 2 AMP-TWIST-7<sub>A</sub>S SL Modular Jacks (versions without integrated dust cover)</p> <p>Part Number: 2-0966224-1</p>	
<p>AMP NETCONNECT <b>DIN Faceplate Frame (80x80/75x75)</b>, colour white (RAL 9010), for DIN 2 Port Faceplate</p> <p>Part Numbers:                      2-0964830-1 Single Frame                      2-0964361-2 Dual Frame</p>	
<p>AMP NETCONNECT <b>DIN Surface Mount Box Kit</b>, colour white (RAL 9010)</p> <p>Part Numbers:                      2-0966740-1 Surface Mount Box                      2-0966740-2 Surface Mount Box &amp; DIN Frame (80x80/75x75)</p>	



## 6.2. 45x45 "Mosaic" Style Faceplates & Outlets






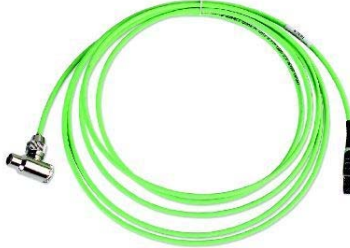
Description	Picture
<p>AMP NETCONNECT <b>22.5x45 Angled Faceplate Module</b>, "Mosaic Style", with integrated spring loaded front shutter, white (RAL 9010)</p> <p>Part Number: 0-1711664-1</p>	
<p>AMP NETCONNECT <b>Faceplate Frame</b>, "Mosaic Style" (86x86/45x45), white (RAL 9010), for up to 2 x (22.5x45) or 1 x (45x45) Faceplate Modules</p> <p>Part Number: 0-1711307-1</p>	
<p>AMP NETCONNECT <b>Surface Mount Box</b> (86x86), white (RAL 9010)</p> <p>Part Number: 0-0185705-1</p>	

## 6.3. SL Jack Mounting Frames for OBO Bettermann Floor Boxes

Description	Picture
<p>AMP NETCONNECT <b>SL Jack Mounting Frame</b>, for up to 6 or 9 AMP-TWIST-7<sub>A</sub>S SL Modular Jacks</p> <p>Part Numbers:</p> <ul style="list-style-type: none"> <li>0-1711255-1 6 Port, black</li> <li>0-1711255-3 6 Port, chrome</li> <li>0-1711255-4 9 Port, chrome</li> </ul>	







## 6.4. Consolidation Points

Description	Picture
<p>AMP NETCONNECT <b>AMP-TWIST / SL Jack Consolidation Point</b>, for wall mount or raised floor installation accommodating up to 4 AMP-TWIST-7<sub>A</sub>S SL Modular Jacks, termination area closed by screw-on protective cover, hinged cover for patching area, overall full dust protection, VDE grounding bolt, dimensions: 115x245x40mm</p> <p>Part Number: 1-1671163-1</p>	
<p>AMP NETCONNECT <b>AMP-TWIST / SL Jack Consolidation Point</b>, for wall mount or raised floor installation accommodating up to 12 AMP-TWIST-7<sub>A</sub>S SL Modular Jacks, termination area closed by screw-on protective cover, hinged cover for patching area, overall full dust protection, VDE grounding bolt, dimensions: 240x240x40mm</p> <p>Part Number: 2-1671163-1</p>	

7. AMP-TWIST-7 <sub>A</sub> S System Patchcords											
Description	Picture										
<p>AMP NETCONNECT <b>AMP-TWIST-7<sub>A</sub>S (4pair) Patchcord, Cat.7<sub>A</sub></b>, 1.200 MHz stranded PiMF Cable, LSZH jacket</p> <p>Part Numbers:</p> <table> <tr><td>1-1711637-1</td><td>0.5 m</td></tr> <tr><td>0-1711637-1</td><td>1.0 m</td></tr> <tr><td>0-1711637-2</td><td>2.0 m</td></tr> <tr><td>0-1711637-3</td><td>3.0 m</td></tr> <tr><td>0-1711637-5</td><td>5.0 m</td></tr> </table>	1-1711637-1	0.5 m	0-1711637-1	1.0 m	0-1711637-2	2.0 m	0-1711637-3	3.0 m	0-1711637-5	5.0 m	
1-1711637-1	0.5 m										
0-1711637-1	1.0 m										
0-1711637-2	2.0 m										
0-1711637-3	3.0 m										
0-1711637-5	5.0 m										
<p>AMP NETCONNECT <b>AMP-TWIST-7<sub>A</sub>S (4pair) to RJ45 Patchcord, Cat.6<sub>A</sub></b>, 600 MHz stranded PiMF Cable, LSZH jacket, white</p> <p>Part Numbers:</p> <table> <tr><td>1-0336488-1</td><td>0.5 m</td></tr> <tr><td>0-0336488-1</td><td>1.0 m</td></tr> <tr><td>0-0336488-2</td><td>2.0 m</td></tr> <tr><td>0-0336488-3</td><td>3.0 m</td></tr> <tr><td>0-0336488-5</td><td>5.0 m</td></tr> </table>	1-0336488-1	0.5 m	0-0336488-1	1.0 m	0-0336488-2	2.0 m	0-0336488-3	3.0 m	0-0336488-5	5.0 m	
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0-0336488-1	1.0 m										
0-0336488-2	2.0 m										
0-0336488-3	3.0 m										
0-0336488-5	5.0 m										
<p>AMP NETCONNECT <b>AMP-TWIST-7<sub>A</sub>S (2pair) to RJ45 Patchcord</b>, active pairs: 12/36 Ethernet, Cat.5E stranded shielded cable, LSZH jacket, white</p> <p>Part Numbers:</p> <table> <tr><td>1-1711613-1</td><td>0.5 m</td></tr> <tr><td>0-1711613-1</td><td>1.0 m</td></tr> <tr><td>0-1711613-2</td><td>2.0 m</td></tr> <tr><td>0-1711613-3</td><td>3.0 m</td></tr> <tr><td>0-1711613-5</td><td>5.0 m</td></tr> </table>	1-1711613-1	0.5 m	0-1711613-1	1.0 m	0-1711613-2	2.0 m	0-1711613-3	3.0 m	0-1711613-5	5.0 m	
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0-1711613-2	2.0 m										
0-1711613-3	3.0 m										
0-1711613-5	5.0 m										
<p>AMP NETCONNECT <b>AMP-TWIST-7<sub>A</sub>S (2pair) to RJ45 Patchcord</b>, active pairs: 36/45 ISDN, Cat.5E stranded shielded cable, LSZH jacket, white</p> <p>Part Numbers:</p> <table> <tr><td>1-1711618-1</td><td>0.5 m</td></tr> <tr><td>0-1711618-1</td><td>1.0 m</td></tr> <tr><td>0-1711618-2</td><td>2.0 m</td></tr> <tr><td>0-1711618-3</td><td>3.0 m</td></tr> <tr><td>0-1711618-5</td><td>5.0 m</td></tr> </table>	1-1711618-1	0.5 m	0-1711618-1	1.0 m	0-1711618-2	2.0 m	0-1711618-3	3.0 m	0-1711618-5	5.0 m	
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0-1711618-1	1.0 m										
0-1711618-2	2.0 m										
0-1711618-3	3.0 m										
0-1711618-5	5.0 m										
<p>AMP NETCONNECT <b>AMP-TWIST-7<sub>A</sub>S (1pair) to RJ11 Patchcord</b>, for telephone applications, Cat.3, LSZH jacket, black</p> <p>Part Numbers:</p> <table> <tr><td>1-1711623-1</td><td>0.5 m</td></tr> <tr><td>0-1711623-1</td><td>1.0 m</td></tr> <tr><td>0-1711623-2</td><td>2.0 m</td></tr> <tr><td>0-1711623-3</td><td>3.0 m</td></tr> <tr><td>0-1711623-5</td><td>5.0 m</td></tr> </table>	1-1711623-1	0.5 m	0-1711623-1	1.0 m	0-1711623-2	2.0 m	0-1711623-3	3.0 m	0-1711623-5	5.0 m	
1-1711623-1	0.5 m										
0-1711623-1	1.0 m										
0-1711623-2	2.0 m										
0-1711623-3	3.0 m										
0-1711623-5	5.0 m										
<p>AMP NETCONNECT <b>AMP-TWIST-7<sub>A</sub>S CATV Patchcord (1pair)</b>, PAL COAX connector, integrated balun, 1pair plug acc. IEC 61076-3-104, LSZH jacket, green</p> <p>Part Numbers:</p> <table> <tr><td>1-1711659-1</td><td>0.5 m</td></tr> <tr><td>0-1711659-1</td><td>1.0 m</td></tr> <tr><td>0-1711659-2</td><td>2.0 m</td></tr> <tr><td>0-1711659-3</td><td>3.0 m</td></tr> <tr><td>0-1711659-5</td><td>5.0 m</td></tr> </table>	1-1711659-1	0.5 m	0-1711659-1	1.0 m	0-1711659-2	2.0 m	0-1711659-3	3.0 m	0-1711659-5	5.0 m	
1-1711659-1	0.5 m										
0-1711659-1	1.0 m										
0-1711659-2	2.0 m										
0-1711659-3	3.0 m										
0-1711659-5	5.0 m										

(Other lengths available upon request)

## 8. Cable Management & Accessories

Description	Picture
AMP NETCONNECT <b>Cable Management Panel</b> , 1U, 19" with five high quality engineered cable management bars, black  Part Number: 0-0558329-1	
AMP NETCONNECT <b>Cable Management Panel</b> , 1U, 19" with front finger duct (38x76mm), black  Part Number: 0-1375162-1	
AMP NETCONNECT <b>Hi-D Side Cable Manager</b> , 1U, for installation in 800mm racks & cabinets to save space owing to elimination of horizontal cable management. (1 pair – left & right)  Part Number: 0-1671132-1	
AMP NETCONNECT <b>Hi-D Side Cable Manager</b> , 2U, for installation in 800mm racks & cabinets to save space owing to elimination of horizontal cable management. (1 pair – left & right)  Part Number: 0-1671132-2	
AMP NETCONNECT <b>Hi-D Side Cable Manager</b> , 6U, for installation in 800mm racks & cabinets to save space owing to elimination of horizontal cable management. (1 pair – left & right)  Part Number: 0-1671132-6	
AMP NETCONNECT <b>Cable Tie</b> , for correct bundling, routing and organizing of installed high performance data cable. Material: Polyamide 6.6 (UL 94V2), size: 200x3.6 mm  Part Number: 4-0160996-1	
AMP NETCONNECT <b>Cable Tie</b> , for correct bundling, routing and organizing of installed high performance data cable. Material: Polyamide 6.6 (UL 94V2), size: 370x4.8 mm  Part Number: 2-0160978-1	

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