

Category 6A Unshielded Solutions



TE Connectivity (TE) introduces a new Category 6A unshielded cabling system designed to meet the performance and density demands of 10 GbE applications. Combining the best of our products from our AMP NETCONNECT and TE-TrueNet portfolios, TE has created a new offering to help the migration to higher processing speeds and bandwidth demands.

The Cat 6A U/UTP system offers the world's first unshielded structured cable for 10 GbE transmission of up to 100M – ideal for accommodating today's higher processing speeds and bandwidth demand. Patented “inside out” filler, increased signal to noise ratio and decreased crosstalk with the introduction of “air” as an insulator with the AirES technology, the Cat 6A Unshielded Solutions offer you a new level of high performance and reliability while optimizing your space. The Cat 6A Unshielded Solutions are designed with a reduced diameter to be thin and easy to manage.

The smaller diameter also saves space in the communications closet, reduces the amount of cable management accessories required and lowers the risk associated with fire and smoke in the plenum space. The patented design saves as much as 32% of the available space in communication closets.

From cables to SL AMP-TWIST jacks, patch panels and patch cords, the Cat 6A U/UTP solution portfolio allows you to achieve optimum network performance, improve airflow and cooling, allow for more space to accommodate moves, adds and changes as well as meet the demands of your business.

COMPLIANT WITH INDUSTRY STANDARDS:

- ANSI/TIA-568-C.2
- ISO 11801 Edition 2 Category 6A Performance requirements
- UL 1863 Listed
- Meets or exceeds all IEEE 802.3AN, IEEE 802.3AF, IEEE 802.3AT and 10 Gigabit Ethernet
- RoHS compliant

Category 6A Unshielded Solutions

Modular Jacks and Patch Panels

Category 6A U/UTP AMP-TWIST Modular Jacks

FEATURES/BENEFITS

- High density solution delivering 10G performance
- Exceeds IEEE, ANSI/TIA and ISO/IEC alien cross talk requirements
- AMP-TWIST termination technology provides fastest and most reliable terminations
- Exceeds requirements for all Cat 6A ANSI/TIA and ISO standards
- Interchangeable color caps for easy port identification



ORDERING INFORMATION

Description	EIA/TIA Category (ISO Class)	Form Factor	Integrated Dust Cover	Part Number
Cat 6A U/UTP AMP-TWIST Jack	Cat 6A (Class E _A)	SL Series	No	1933476-X
			Yes	2111676-X
Color cap			2111243-X	
Color cap with Clear Dust Cover			2111244-X	

X denotes jack color:

-1 = Almond
-6 = Blue
1--0 = Violet

-2 = Black
-7 = Red
1--1 = Electrical Ivory

-4 = Gray
-8 = Yellow
1--3 = Alpine White

-5 = Orange
-9 = Green

ex. Almond is 1033476-1
Violet is 1-1933476-0

Category 6A U/UTP AMP-TWIST Patch Panels

FEATURES/BENEFITS

- Available in straight, fixed angle and dynamic angle configurations
- High density solution delivering 10G performance
- Jacks are arranged in 6-port groupings in the panels via a front-loading interface housing
- Accommodates traditional labeling and icons
- Exceeds requirements for all 6A ANSI/TIA and ISO/IEC standards



ORDERING INFORMATION

Description	EIA/TIA Category (ISO Class)	Included Modular Jacks	Panel Form Factor	Port Count	Height	Part Number
Cat 6A U/UTP AMP-TWIST Patch Panels	Cat 6A (Class E _A)	Packaged Separately	Flat	24	1U (1.75")	2111570-1
			Flat	48	2U (3.5")	2111571-1
			Fixed Angle	24	1U (1.75")	2111572-1
			Fixed Angle	48	2U (3.5")	2111573-1
Cat 6A U/UTP Dynamic Angled		6 Pack Modules	Dynamic Angled	24	1U (1.75")	PP24AC6AT
				48	2U (3.5")	PP48AC6AT

Category 6A Unshielded Solutions

Cable Assemblies

Category 6A Unshielded Cable Assemblies

FEATURES/BENEFITS

- Meets or exceeds the channel specifications of ANSI/TIA-568-C.2 Category 6A and Amendment 1 to ISO/IEC 11801:2002 Class EA up to 500 MHz
- Patented technology to minimize the effects of alien crosstalk and insertion loss
- Supports 10 Gigabit Ethernet over unshielded copper to a full 100m up to 500MHz
- Stranded copper conductors in the cable pairs
- Flexible strain relief boot
- UL 1863 listed



ORDERING INFORMATION

Product Description	Part Number
RJ45 to RJ45 patch cord	
568B wiring	6645-2-8X5-YY
568A wiring	6645-2-8X0-YY

Replace X for color: Replace YY for length:
0 = White 3 = Yellow 04 = 4' 15 = 15'
1 = Red 4 = Green 07 = 7' 25 = 25'
2 = Blue 6 = Gray 10 = 10' 50 = 50'

Contact Customer Service for additional colors and custom lengths.

Category 6A Unshielded Twisted Pair Cable

FEATURES/BENEFITS

- Unique oblique elliptical offset filler for improved alien crosstalk
- AirES patented design on CMP for higher throughput and reduced size
- Manufactured with lead-free materials
- Exceeds requirements for all Cat 6A ANSI/TIA and ISO standards
- RoHS compliant



ORDERING INFORMATION

UL/NEC Rating	Pair Count	Package	OD (in)	AWG	Weight lbs/Kft	Part Number
CMP	4	1000' reel	0.285"	23	41	TE640P-XX02
CMR	4	1000' reel	0.295"	23	41	TE640R-XX02

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

Additional reel sizes available, please contact TE Customer Service.

DATA SHEET

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