

# Safe-IT Cat6a 10G Snagless Antibacterial UTP Ethernet Cable (RJ45 M/M), PoE, White, 10 ft. (3.05 m)

# MODEL NUMBER: N261AB-010-WH











Connects critical components, such as switches and servers, in 10G Ethernet networks, while also providing extra protection against bacteria.

#### **Features**

#### Cat6a Cable Ideal for Connecting Equipment in Your 10G Ethernet Network

This Cat6a Ethernet cable (M/M) with RJ45 connectors transmits 10 Gbps data, voice and video through high-speed 10G equipment, including network switches, modems, servers, routers, adapters, hubs and patch panels, in high-density data centers. Designed for fast transmission and excellent signal quality, this Cat6a cable ensures peak performance throughout your local area network (LAN).

#### **Provides Extra Protection Against Certain Bacteria**

The connectors and PVC jacket are constructed using an antibacterial material that is effective in inhibiting the growth of Escherichia coli (E. coli) and Staphylococcus aureus (staph). This added protection makes this cable an ideal solution for medical facilities, schools, businesses, restaurants/kitchens and anywhere else that needs extra protection against bacteria.

#### Snagless RJ45 Male Connectors Keep Tabs Intact During Installation

The RJ45 connectors' snagless design protects the locking tabs from being damaged or broken off during installation. Integral strain relief gives the cable extra flexibility, reduces stress and helps the cable move freely without cracking or breaking loose from the connector.

# **Premium Construction for Superior Performance**

Manufactured from 24 AWG copper wire, the four-pair stranded cable is rated for speeds up to 10 Gbps. The RJ45 connectors improve near-end crosstalk (NEXT) performance to 500 MHz and feature 3-micron gold plating to help ensure the most accurate signal transfer possible.

## White Jacket Helps Avoid Misidentification That Can Cause Costly Downtime

The cable has a white PVC jacket, which is easy to identify quickly in a crowded patch panel or switch and helps prevent the cable from becoming accidentally disconnected.

# **Specifications**

# **Highlights**

- Premium Cat6a cable rated for high-speed 10 Gbps home/office communications
- Made with antibacterial material proven effective in inhibiting the growth of E. coli and staph
- Snagless RJ45 connectors protect locking tabs against damage during installation
- 24 AWG copper wire and 3 µm gold-plated contacts allow superior signal transfer
- White jacket permits fast, easy identification in a crowded switch or patch panel

# **Applications**

- Connect a computer and its peripherals to a home or office 10G Ethernet network
- Connect switches, modems and servers in a high-density data center
- Provide extra protection against bacteria to give cable installers and IT personnel peace of mind during installation

### **Package Includes**

N261AB-010-WH Cat6a 10G Certified Snagless Antibacterial UTP Ethernet Cable (RJ45 M/M), White, 10-ft. (3.05 m)



OVERVIEW           UPC Code         037332258806           Technology         Cat8a           PHYSICAL           Cable Jacket Color         White           Cable Jacket Material         PVC           Cable Jacket Rating         CMX           Cable Shielding         UTP           Cable Couler Diameter (OD)         6.2 mm           Number of Conductors         4 Pair           Conductor Material         Stranded Copper           Conductor Gauge         24 AWG           Cable Length (th)         10           Cable Length (m)         3.05           Cable Length (m)         120           ENVIRONMENTAL           Operating Temperature Range         5" to 140°F ("15" to 60°C)           Operating Temperature Range         5" to 140°F ("15" to 60°C)           Operating Humidity Range         0% to 90% RH, Non-Condensing           Storage Fumidity Range         0% to 90% RH, Non-Condensing           COMMUNICATIONS           Bandwidth per TIA Standard         500 MHz           Maximum Bandwidth as Tested         600 MHz           Meximum Bandwidth as Tested         600 MHz           Network Compatibility         10 Geps           IEEE Standards Supported			
Technology Cat6a  PHYSICAL  Cable Jacket Color White  Cable Jacket Material PVC  Cable Jacket Rating CMX  Cable Shielding UTP  Cable Outer Diameter (OD) 6.2 mm  Number of Conductors 4 Pair  Conductor Material Stranded Copper  Conductor Gauge 24 AWG  Cable Length (ft.) 10  Cable Length (fn.) 3.05  Cable Length (fn.) 120  ENVIRONMENTAL  Operating Temperature Range 5° to 140°F (-15° to 60°C)  Operating Humidity Range 0% to 90% RH, Non-Condensing  Storage Humidity Range 0% to 90% RH, Non-Condensing  COMMUNICATIONS  Bandwidth per TIA Standard 500 MHz  Maximum Bandwidth as Tested 600 MHz  Network Compatibility 10 Gbps  IEEE Standards Supported 802.3an; 802.3at  CONNECTIONS  PoE Capability 30W (802.3at)  Side A - Connector 1 RJ46 (MALE)	OVERVIEW		
PHYSICAL Cable Jacket Color White Cable Jacket Material PVC Cable Jacket Rating CMX Cable Shielding UTP Cable Outer Diameter (OD) 6.2 mm Number of Conductors 4 Pair Conductor Material Stranded Copper Conductor Material Stranded Copper Conductor Gauge 24 AWG Cable Length (ft.) 10 Cable Length (m) 3.05 Cable Length (m.) 120  ENVIRONMENTAL Operating Temperature Range 14" to 122"F (-10" to 50"C) Storage Temperature Range 5" to 140"F (-15" to 60"C) Operating Humidity Range 0% to 90% RH, Non-Condensing Storage Humidity Range 0% to 90% RH, Non-Condensing  COMMUNICATIONS Bandwidth per TIA Standard 500 MHz Maximum Bandwidth as Tested 600 MHz Network Compatibility 10 Gbps IEEE Standards Supported 802.3an; 802.3at  CONNECTIONS  PoE Capability 30W (802.3at) Side A - Connector 1 RJ45 (MALE)	UPC Code	037332259806	
Cable Jacket Material         PVC           Cable Jacket Material         PVC           Cable Jacket Rating         CMX           Cable Shielding         UTP           Cable Outer Dlameter (OD)         6.2 mm           Number of Conductors         4 Pair           Conductor Material         Stranded Copper           Conductor Gauge         24 AWG           Cable Length (ft.)         10           Cable Length (m)         3.05           Cable Length (in.)         120           ENVIRONMENTAL           Operating Temperature Range         14* to 122*F (-10* to 50*C)           Storage Temperature Range         5* to 140*F (-15* to 60*C)           Operating Humidity Range         0% to 90% RH, Non-Condensing           Storage Humidity Range         0% to 90% RH, Non-Condensing           COMMUNICATIONS         Bandwidth per TIA Standard         500 MHz           Maximum Bandwidth as Tested         600 MHz           Network Compatibility         10 Gbps           IEEE Standards Supported         802.3an; 802.3at           CONNECTIONS           PoE Capability         30W (802.3at)           Side A - Connector 1         RJ45 (MALE)	Technology	Cat6a	
Cable Jacket Material PVC Cable Jacket Rating CMX Cable Shelding UTP Cable Outer Diameter (OD) 6.2 mm Number of Conductors 4 Pair Conductor Material Stranded Copper Conductor Gauge 24 AWG Cable Length (ft.) 10 Cable Length (m) 3.05 Cable Length (in.) 120  ENVIRONMENTAL Operating Temperature Range 14° to 122°F (-10° to 50°C) Storage Temperature Range 5° to 140°F (-15° to 60°C) Operating Humidity Range 09% to 90% RH, Non-Condensing Storage Humidity Range 09% to 90% RH, Non-Condensing  COMMUNICATIONS  Bandwidth per TIA Standard 500 MHz Maximum Bandwidth as Tested 600 MHz Network Compatibility 10 Gbps IEEE Standards Supported 80.3an; 802.3at  CONNECTIONS  PoE Capability 30W (802.3at) Side A - Connector 1 RJ45 (MALE)	PHYSICAL		
Cable Jacket Rating CMX Cable Shielding UTP Cable Outer Diameter (OD) 6.2 mm Number of Conductors 4 Pair Conductor Material Stranded Copper Conductor Gauge 24 AWG Cable Length (ft.) 10 Cable Length (m) 3.05 Cable Length (in.) 120  ENVIRONMENTAL Operating Temperature Range 14* to 122*F (-10* to 50*C) Storage Temperature Range 5* to 140*F (-15* to 60*C) Operating Humidity Range 0% to 90% RH, Non-Condensing Storage Humidity Range 0% to 90% RH, Non-Condensing  COMMUNICATIONS Bandwidth per TIA Standard 500 MHz Maximum Bandwidth as Tested 600 MHz Network Compatibility 10 Gbps IEEE Standards Supported 802.3an; 802.3at  CONNECTIONS POE Capability 30W (802.3at) Side A - Connector 1 RJ45 (MALE)	Cable Jacket Color	White	
Cable Shielding         UTP           Cable Outer Diameter (OD)         6.2 mm           Number of Conductors         4 Pair           Conductor Material         Stranded Copper           Conductor Gauge         24 AWG           Cable Length (ht.)         10           Cable Length (m)         3.05           Cable Length (in.)         120           ENVIRONMENTAL           Operating Temperature Range         14° to 122°F (-10° to 50°C)           Storage Temperature Range         5° to 140°F (-15° to 60°C)           Operating Humidity Range         0% to 90% RH, Non-Condensing           Storage Humidity Range         0% to 90% RH, Non-Condensing           COMMUNICATIONS         COMMUNICATIONS           Bandwidth per TIA Standard         500 MHz           Maximum Bandwidth as Tested         600 MHz           Network Compatibility         10 Gbps           IEEE Standards Supported         802.3an; 802.3at           CONNECTIONS           Foc Capability         30W (802.3at)           Side A - Connector 1         RJ45 (MALE)	Cable Jacket Material	PVC	
Cable Outer Diameter (OD)         6.2 mm           Number of Conductors         4 Pair           Conductor Material         Stranded Copper           Conductor Gauge         24 AWG           Cable Length (ft.)         10           Cable Length (m)         3.05           Cable Length (in.)         120           ENVIRONMENTAL         Operating Temperature Range         14° to 122°F (-10° to 50°C)           Storage Temperature Range         5° to 140°F (-15° to 60°C)           Operating Humidity Range         0% to 90% RH, Non-Condensing           Storage Humidity Range         0% to 90% RH, Non-Condensing           COMMUNICATIONS           Bandwidth per TIA Standard         500 MHz           Maximum Bandwidth as Tested         600 MHz           Network Compatibility         10 Gbps           IEEE Standards Supported         802.3an; 802.3at           CONNECTIONS           PoE Capability         30W (802.3at)           Side A - Connector 1         RJ45 (MALE)	Cable Jacket Rating	CMX	
Number of Conductors 4 Pair  Conductor Material Stranded Copper  Conductor Gauge 24 AWG  Cable Length (ft.) 10  Cable Length (m) 3.05  Cable Length (in.) 120  ENVIRONMENTAL  Operating Temperature Range 14" to 122"F (-10" to 50"C)  Storage Temperature Range 5° to 140"F (-15" to 60"C)  Operating Humidity Range 0% to 90% RH, Non-Condensing  Storage Humidity Range 0% to 90% RH, Non-Condensing  Storage Humidity Range 50 MHz  Maximum Bandwidth as Tested 600 MHz  Network Compatibility 10 Gbps  IEEE Standards Supported 802.3an; 802.3at  CONNECTIONS  PoE Capability 30W (802.3at)  Side A - Connector 1 RJA5 (MALE)	Cable Shielding	UTP	
Conductor Material Stranded Copper  Conductor Gauge 24 AWG  Cable Length (ft.) 10  Cable Length (m.) 3.05  Cable Length (in.) 120  ENVIRONMENTAL  Operating Temperature Range 14° to 122°F (-10° to 50°C)  Storage Temperature Range 5° to 140°F (-15° to 60°C)  Operating Humidity Range 0% to 90% RH, Non-Condensing  Storage Humidity Range 0% to 90% RH, Non-Condensing  Storage Humidity Range 500 MHz  Asximum Bandwidth as Tested 600 MHz  Network Compatibility 10 Gbps  IEEE Standards Supported 80.2 san; 802.3at  CONNECTIONS  PoE Capability 30W (802.3at)  Side A - Connector 1 RJ45 (MALE)	Cable Outer Diameter (OD)	6.2 mm	
Conductor Gauge 24 AWG  Cable Length (ft.) 10  Cable Length (m) 3.05  Cable Length (in.) 120  ENVIRONMENTAL  Operating Temperature Range 14° to 122°F (-10° to 50°C)  Storage Temperature Range 5° to 140°F (-15° to 60°C)  Operating Humidity Range 0% to 90% RH, Non-Condensing  Storage Humidity Range 0% to 90% RH, Non-Condensing  COMMUNICATIONS  Bandwidth per TIA Standard 500 MHz  Maximum Bandwidth as Tested 600 MHz  Network Compatibility 10 Gbps  IEEE Standards Supported 802.3an; 802.3at  CONNECTIONS  FOE Capability 30W (802.3at)  Side A - Connector 1 RJ45 (MALE)	Number of Conductors	4 Pair	
Cable Length (ft.)         10           Cable Length (m)         3.05           Cable Length (in.)         120           ENVIRONMENTAL           Operating Temperature Range         14° to 122°F (-10° to 50°C)           Storage Temperature Range         5° to 140°F (-15° to 60°C)           Operating Humidity Range         0% to 90% RH, Non-Condensing           Storage Humidity Range         0% to 90% RH, Non-Condensing           COMMUNICATIONS           Bandwidth per TIA Standard         500 MHz           Maximum Bandwidth as Tested         600 MHz           Network Compatibility         10 Gbps           IEEE Standards Supported         802.3an; 802.3at           CONNECTIONS           PoE Capability         30W (802.3at)           Side A - Connector 1         RJ45 (MALE)	Conductor Material	Stranded Copper	
Cable Length (m)  Cable Length (in.)  ENVIRONMENTAL  Operating Temperature Range  14° to 122°F (-10° to 50°C)  Storage Temperature Range  5° to 140°F (-15° to 60°C)  Operating Humidity Range  0% to 90% RH, Non-Condensing  Storage Humidity Range  0% to 90% RH, Non-Condensing  COMMUNICATIONS  Bandwidth per TIA Standard  Maximum Bandwidth as Tested  600 MHz  Network Compatibility  10 Gbps  IEEE Standards Supported  802.3an; 802.3at  CONNECTIONS  PoE Capability  30W (802.3at)  Side A - Connector 1  RJ45 (MALE)	Conductor Gauge	24 AWG	
ENVIRONMENTAL  Operating Temperature Range 14° to 122°F (-10° to 50°C) Storage Temperature Range 5° to 140°F (-15° to 60°C) Operating Humidity Range 0% to 90% RH, Non-Condensing Storage Humidity Range 0% to 90% RH, Non-Condensing  COMMUNICATIONS  Bandwidth per TIA Standard 500 MHz  Maximum Bandwidth as Tested 600 MHz  Network Compatibility 10 Gbps IEEE Standards Supported 802.3an; 802.3at  CONNECTIONS  PoE Capability 30W (802.3at) Side A - Connector 1 RJ45 (MALE)	Cable Length (ft.)	10	
ENVIRONMENTAL  Operating Temperature Range 14° to 122°F (-10° to 50°C)  Storage Temperature Range 5° to 140°F (-15° to 60°C)  Operating Humidity Range 0% to 90% RH, Non-Condensing  Storage Humidity Range 0% to 90% RH, Non-Condensing  COMMUNICATIONS  Bandwidth per TIA Standard 500 MHz  Maximum Bandwidth as Tested 600 MHz  Network Compatibility 10 Gbps  IEEE Standards Supported 802.3an; 802.3at  CONNECTIONS  PoE Capability 30W (802.3at)  Side A - Connector 1 RJ45 (MALE)	Cable Length (m)	3.05	
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Operating Humidity Range 0% to 90% RH, Non-Condensing  COMMUNICATIONS  Bandwidth per TIA Standard 500 MHz  Maximum Bandwidth as Tested 600 MHz  Network Compatibility 10 Gbps  IEEE Standards Supported 802.3an; 802.3at  CONNECTIONS  POE Capability 30W (802.3at)  Side A - Connector 1 RJ45 (MALE)	Operating Temperature Range	14° to 122°F (-10° to 50°C)	
COMMUNICATIONS  Bandwidth per TIA Standard 500 MHz  Maximum Bandwidth as Tested 600 MHz  Network Compatibility 10 Gbps  IEEE Standards Supported 802.3an; 802.3at  CONNECTIONS  PoE Capability 30W (802.3at)  Side A - Connector 1 RJ45 (MALE)	Storage Temperature Range	5° to 140°F (-15° to 60°C)	
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Bandwidth per TIA Standard 500 MHz  Maximum Bandwidth as Tested 600 MHz  Network Compatibility 10 Gbps  IEEE Standards Supported 802.3an; 802.3at  CONNECTIONS  PoE Capability 30W (802.3at)  Side A - Connector 1 RJ45 (MALE)	Storage Humidity Range	0% to 90% RH, Non-Condensing	
Maximum Bandwidth as Tested 600 MHz  Network Compatibility 10 Gbps  IEEE Standards Supported 802.3an; 802.3at  CONNECTIONS  PoE Capability 30W (802.3at)  Side A - Connector 1 RJ45 (MALE)	COMMUNICATIONS		
Network Compatibility     10 Gbps       IEEE Standards Supported     802.3an; 802.3at       CONNECTIONS       PoE Capability     30W (802.3at)       Side A - Connector 1     RJ45 (MALE)	Bandwidth per TIA Standard	500 MHz	
IEEE Standards Supported         802.3an; 802.3at           CONNECTIONS           PoE Capability         30W (802.3at)           Side A - Connector 1         RJ45 (MALE)	Maximum Bandwidth as Tested	600 MHz	
CONNECTIONS           PoE Capability         30W (802.3at)           Side A - Connector 1         RJ45 (MALE)	Network Compatibility	10 Gbps	
PoE Capability 30W (802.3at) Side A - Connector 1 RJ45 (MALE)	IEEE Standards Supported	802.3an; 802.3at	
Side A - Connector 1 RJ45 (MALE)	CONNECTIONS		
	PoE Capability	30W (802.3at)	
	Side A - Connector 1	RJ45 (MALE)	
Side B - Connector 1 RJ45 (MALE)	Side B - Connector 1	RJ45 (MALE)	
Crossover Wiring No	Crossover Wiring	No	
Contact Plating Gold	Contact Plating	Gold	
PoE Type Type 2 PoE+ (30W, IEEE 802.3at)	PoE Type	Type 2 PoE+ (30W, IEEE 802.3at)	



Connector Type	Snagless	
Wiring Configuration	EIA/TIA 568B	
Angled Connector	No	
FEATURES & SPECIFICATIONS		
Antimicrobial	No	
Antibacterial	Yes	
IP68 Rated	No	
Snagless Connector	Yes	
STANDARDS & COMPLIANCE		
Product Certifications	UL Listed; cUL Listed	
Product Compliance	CE (Europe); RoHS; IEEE 802.3an 10GBase-T; IEEE 802.3at PoE+; REACH; UKCA; Trade Agreements Act (TAA)	
WARRANTY & SUPPORT		
Product Warranty Period (Worldwide)	Lifetime limited warranty	



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