



# Cat6 Gigabit Solid Core Plenum-Rated UTP CMP PVC Bulk Ethernet Cable, White, 1000 ft. (304.8 m)

#### MODEL NUMBER: N224-01K-WH









#### **Highlights**

- Ideal for horizontal applications in air ducts and drop ceilings
- Rated for 550 MHz/1 Gbps communications
- High-quality 23 AWG 4-pair solid copper wire
- Plenum-rated CMP jacket
- Meets IEEE 802.3ab and ANSI/EIA/TIA 568 standards

#### **Package Includes**

 N224-01K-WH Cat6 Gigabit Bulk Solid-Core Plenum-Rated CMP Cable, White, 1000 ft.

Premium high-speed cabling designed for Cat6 premise (in-wall) applications in air ducts and drop ceilings, such as the distribution of data, voice and digital video across Gigabit Ethernet networks.

#### **Features**

#### Perfect Solution for High-Speed Cat6 Premise Applications in Air Ducts and Drop Ceilings

- Designed for distributing data, voice and digital video across Gigabit Ethernet networks
- Delivers speeds up to 550 MHz/1 Gbps
- Ideal for horizontal wiring applications, including 10/100/1000 Base-T Ethernet, 100 Mbps TPDDI, 155 Mbps ATM, ISDN, voice, EIA/TIA and Token Ring Type 3 applications

#### **Premium Construction for Superior Performance**

- Made from 23 AWG copper wire
- 4-pair solid UTP
- Minimum near-end crosstalk
- Plenum-rated CMP jacket
- Meets most current industry standards, including IEEE 802.3ab, IEEE 802.5, ANSI/EIA/TIA 568, ISO/IEC 11801 and ETL (category 6, draft 11)

### **Specifications**

OVERVIEW		
UPC Code	037332196651	
Technology	Cat6	
CONNECTIONS		
Side A - Connector 1	BARE WIRE	





Crossover Wining         No           Connector Type         Bare Wire           Angled Connector         No           PHYSICAL           Cables Jacket Color         White           Cables Jacket Material         PVC           Cables Jacket Material         PVC           Cables Jacket Rating         UTP           Cables Shelding         UTP           Cables Outer Disemeter (OD)         6.0 mm           Number of Conductors         4 Pair           Conductor Material         Sold Copper           Conductor Gauge         23 AWG           Cable Length (m)         304.88           Cable Length (m)         304.88           Cable Length (m)         30480           Shipping Dimensions (fwd / m)         13.78 t.1.77 x 13.78           Shipping Dimensions (fwd / m)         35.00 x 35.99 x 35.00           Shipping Weight (bg)         14.06           ENVIRONMENTAL           Communications           Communications           Communications           Communications           Communications           Communications           Communications <th c<="" th=""><th>Side B - Connector 1</th><th>BARE WIRE</th></th>	<th>Side B - Connector 1</th> <th>BARE WIRE</th>	Side B - Connector 1	BARE WIRE
Connector Type         Bare Wire           Angled Connector         No           PHYSICAL           Cable Jacket Color         White           Cable Jacket Material         PVC           Cable Jacket Rating         CMP           Cable Jacket Rating         UTP           Cable Jacket Rating         UTP           Cable Cuter Diameter (OD)         6.0 mm           Number of Conductors         4 Pair           Conductor Material         Solid Copper           Conductor Gauge         23 AWG           Cable Length (It)         1000           Cable Length (It)         1000           Cable Length (m)         304.88           Cable Length (m)         30480           Shipping Dimensions (twd / im)         37.8 x 14.17 x 13.78           Shipping Weight (Ibs.)         31.00           Shipping Weight (Ibs.)         31.00           Shipping Weight (Ibs.)         31.00           Shipping Temperature Range         4° to 167° F (-20° to 75°C)           Storage Temperature Range         32° to 140° F (° to 80°C)           COMMUNICATIONS           Brandwidth sa Tested         500 MHz           Nationard Supported         802.3ab  <	Crossover Wiring	No	
PHYSICAL           Cable Jacket Color         White           Cable Jacket Material         PVC           Cable Jacket Rating         CMP           Cable Jacket Rating         UTP           Cable Shielding         UTP           Cable Outer Diameter (OD)         6.0 mm           Number of Conductors         4 Pair           Conductor Material         Solid Capper           Conductor Rauge         23 AWG           Cable Length (H)         1000           Cable Length (m)         304.88           Cable Length (m)         30480           Shipping Dimensions (the /i n)         13.78 x 14.17 x 13.78           Shipping Dimensions (the/i n)         13.78 x 14.17 x 13.78           Shipping Weight (tks)         31.00 x 35.99 x 35.00           Shipping Weight (tkg)         14.06           ENVIRONMENTAL           Environmental Range         4" to 167"F (-20" to 75"C)           Storage Temperature Range         32" to 140"F (0" to 60"C)           Communications         32" to 140"F (0" to 60"C)           Bandwidth par TLA Standard         250 MHz           Maximum Bandwidth as Tested         500 MHz           Notes (Standards Supported)         802.3ab           FEATURES &		Bare Wire	
Cable Jacket Color         White           Cable Jacket Material         PVC           Cable Jacket Rating         CMP           Cable Jacket Rating         UTP           Cable Outer Diameter (OD)         6.0 mm           Number of Conductors         4 Pair           Conductor Material         Solid Copper           Conductor Gauge         23 AWG           Cable Length (It)         1000           Cable Length (m)         304.88           Cable Length (m)         30480           Cable Length (m)         33.78 x 14.17 x 13.78           Shipping Dimensions (hw/d /m)         35.00 x 35.99 x 35.00           Shipping Weight (ba)         31.00           Shipping Weight (kg)         14.06           EVVIRONMENTAL           Communications           Communications           Communications           Communications           Communications           Communications           Communications           Communications           Capperature Range         4" to 167°F (20° to 50°C)           Communications           Communications           <	Angled Connector	No	
Cable Jacket Color         White           Cable Jacket Material         PVC           Cable Jacket Rating         CMP           Cable Jacket Rating         UTP           Cable Outer Diameter (OD)         6.0 mm           Number of Conductors         4 Pair           Conductor Material         Solid Copper           Conductor Gauge         23 AWG           Cable Length (It)         1000           Cable Length (m)         304.88           Cable Length (m)         30480           Cable Length (m)         33.78 x 14.17 x 13.78           Shipping Dimensions (hw/d /m)         35.00 x 35.99 x 35.00           Shipping Weight (ba)         31.00           Shipping Weight (kg)         14.06           EVVIRONMENTAL           Communications           Communications           Communications           Communications           Communications           Communications           Communications           Communications           Capperature Range         4" to 167°F (20° to 50°C)           Communications           Communications           <			
Cable Jacket Material         PVC           Cable Jacket Rating         CMP           Cable Shielding         UTP           Cable Outer Diameter (OD)         6.0 mm           Number of Conductors         4 Pair           Conductor Material         Solid Copper           Conductor Gauge         23 AWG           Cable Length (ft.)         1000           Cable Length (m)         304.88           Cable Length (cm)         30480           Shipping Dimensions (hwd /in.)         13.78 x 14.17 x 13.78           Shipping Dimensions (hwd /in.)         35.00 x 35.99 x 35.00           Shipping Weight (fb.)         31.00           Shipping Weight (kg)         14.06           ENVIRONMENTAL           Operating Temperature Range         4º to 167°F (-20° to 75°C)           Storage Temperature Range         32° to 140°F (0° to 60°C)           COMMUNICATIONS           Bandwidth per TIA Standard         250 MHz           Maximum Bandwidth as Tested         500 MHz           Network Compatibility         1 Gbps (Gigabit)           IEEE Standards Supported         802.3ab           FEATURES & SPECIFICATIONS           Antibacterial         No	PHYSICAL		
Cable Jacket Rating         CMP           Cable Shielding         UTP           Cable Outer Diameter (OD)         6.0 mm           Number of Conductors         4 Pair           Conductor Material         Solid Copper           Conductor Gauge         23 AWG           Cable Length (It.)         1000           Cable Length (Im.)         304.88           Cable Length (Im.)         12000           Cable Length (Im.)         30480           Shipping Dimensions (Iwd / In.)         13.78 x 14.17 x 13.78           Shipping Dimensions (Iwd / Im.)         35.00 x 35.99 x 35.00           Shipping Weight (Ibs.)         31.00           Shipping Weight (Ikg)         14.06           ENVIRONMENTAL           COMMUNICATIONS           Bandwidth per TIA Standard         25 0 MHz           Maximum Bandwidth as Tested         500 MHz           Maximum Bandwidth as Tested         500 MHz           Network Compatibility         1 Gbps (Gigabit)           IEEE Standards Supported         802.3ab           FATURES & SPECIFICATIONS           Antibacterial         No	Cable Jacket Color	White	
Cable Shielding         UTP           Cable Outer Diameter (OD)         6.0 mm           Number of Conductors         4 Pair           Conductor Material         Solid Copper           Conductor Gauge         23 AW/G           Cable Length (IL)         1000           Cable Length (In.)         304.88           Cable Length (In.)         12000           Cable Length (In.)         30480           Shipping Dimensions (Inwid / In.)         13.78 x 14.17 x 13.78           Shipping Dimensions (Inwid / In.)         35.00 x 35.99 x 35.00           Shipping Weight (Ibs.)         31.00           Shipping Temperature Range         4° to 167° F (-20° to 75°C)           Storage Temperature Range         4° to 167° F (-20° to 75°C)           Storage Temperature Range         25 to 140° F (0° to 60°C)           COMMUNICATIONS           Bandwidth per TIA Standard         250 MHz           Maximum Bandwidth as Tested         500 MHz           Network Compatibility         1 Gbps (Gigabit)           IEEE standards Supported         80.23ab           FEATURES & SPECIFICATIONS           Antibacterial         No	Cable Jacket Material	PVC	
Cable Outer Diameter (OD)         6.0 mm           Number of Conductors         4 Pair           Conductor Material         Solid Copper           Conductor Gauge         23 AWG           Cable Length (It.)         1000           Cable Length (m)         304.88           Cable Length (cm)         30480           Shipping Dimensions (hwd / in.)         13.78 x 14.17 x 13.78           Shipping Dimensions (hwd / cm)         35.00 x 35.99 x 35.00           Shipping Weight (lbs.)         31.00           Shipping Weight (kg)         14.06           ENVIRONMENTAL           Operating Temperature Range         4º to 167°F (-20° to 75°C)           Storage Temperature Range         32° to 140°F (0° to 60°C)           COMMUNICATIONS           Bandwidth per TIA Standard         250 MHz           Maximum Bandwidth as Tested         500 MHz           Network Compatibility         1 Gbps (Gigabit)           IEEE Standards Supported         10 20.3 ab           FEATURES & SPECIFICATIONS           Antibacterial         No	Cable Jacket Rating	СМР	
Number of Conductors         4 Pair           Conductor Material         Solid Copper           Conductor Gauge         23 AWG           Cable Length (ft.)         1000           Cable Length (m)         304.88           Cable Length (cm)         30480           Shipping Dimensions (hwd / in.)         13.78 x 14.17 x 13.78           Shipping Dimensions (hwd / cm)         35.00 x 35.99 x 35.00           Shipping Weight (lbs.)         31.00           ENVIRONMENTAL           Operating Temperature Range         -4° to 167°F (-20° to 75°C)           Storage Temperature Range         -4° to 140°F (0° to 60°C)           COMMUNICATIONS           Bandwidth per TIA Standard         250 MHz           Maximum Bandwidth as Tested         500 MHz           Network Compatibility         1 Gbps (Gigabit)           IEEE Standards Supported         802.3ab           FEATURES & SPECIFICATIONS           Artibacterial         No	Cable Shielding	UTP	
Conductor Material         Solid Copper           Conductor Gauge         23 AWG           Cable Length (ft.)         1000           Cable Length (m)         304.88           Cable Length (cm)         12000           Cable Length (cm)         30480           Shipping Dimensions (hwd / in.)         13.78 x 14.17 x 13.78           Shipping Dimensions (hwd / cm)         35.00 x 35.99 x 35.00           Shipping Weight (lbs.)         31.00           Shipping Weight (kg)         14.06           ENVIRONMENTAL           Operating Temperature Range         -4° to 167°F (-20° to 75°C)           Storage Temperature Range         32° to 140°F (0° to 60°C)           COMMUNICATIONS           Bandwidth per TIA Standard         250 MHz           Maximum Bandwidth as Tested         500 MHz           Network Compatibility         1 Gbps (Gigabit)           IEEE Standards Supported         802.3ab           FEATURES & SPECIFICATIONS           Antibacterial         No	Cable Outer Diameter (OD)	6.0 mm	
Conductor Gauge         23 AWG           Cable Length (ft.)         1000           Cable Length (m)         304.88           Cable Length (in.)         12000           Cable Length (cm)         30480           Shipping Dimensions (hwd / in.)         13.78 x 14.17 x 13.78           Shipping Dimensions (hwd / cm)         35.00 x 35.99 x 35.00           Shipping Weight (lbs.)         31.00           Shipping Weight (kg)         14.06           ENVIRONMENTAL           Operating Temperature Range         4° to 167°F (-20° to 75°C)           Storage Temperature Range         32° to 140°F (0° to 60°C)           COMMUNICATIONS           Bandwidth per TIA Standard         250 MHz           Maximum Bandwidth as Tested         500 MHz           Nework Compatibility         1 Gbps (Gigabit)           IEEE Standards Supported         802.3ab           FEATURES & SPECIFICATIONS           Antibacterial         No           IP68 Rated         No	Number of Conductors	4 Pair	
Cable Length (ft.)         1000           Cable Length (m)         304.88           Cable Length (cm)         30480           Shipping Dimensions (hwd / in.)         13.78 x 14.17 x 13.78           Shipping Dimensions (hwd / cm)         35.00 x 35.99 x 35.00           Shipping Weight (lbs.)         31.00           ENVIRONMENTAL           Communications           Storage Temperature Range         -4° to 167°F (-20° to 75°C)           Storage Temperature Range         32° to 140°F (0° to 60°C)           COMMUNICATIONS           Bandwidth per TIA Standard         250 MHz           Maximum Bandwidth as Tested         500 MHz           Network Compatibility         1 Gbps (Gigabit)           IEEE Standards Supported         802.3ab           FEATURES & SPECIFICATIONS           Antibacterial         No           IP68 Rated         No	Conductor Material	Solid Copper	
Cable Length (m)         304.88           Cable Length (in.)         12000           Cable Length (cm)         30480           Shipping Dimensions (hwd / in.)         13.78 x 14.17 x 13.78           Shipping Dimensions (hwd / cm)         35.00 x 35.99 x 35.00           Shipping Weight (lbs.)         31.00           ENVIRONMENTAL           Coperating Temperature Range         -4° to 167°F (-20° to 75°C)           Storage Temperature Range         32° to 140°F (0° to 60°C)           COMMUNICATIONS           Bandwidth per TIA Standard         250 MHz           Maximum Bandwidth as Tested         500 MHz           Network Compatibility         1 Gbps (Gigabit)           IEEE Standards Supported         802.3ab           FEATURES & SPECIFICATIONS           Antibacterial         No           IP68 Rated         No	Conductor Gauge	23 AWG	
Cable Length (in.)         12000           Cable Length (cm)         30480           Shipping Dimensions (hwd / in.)         13.78 x 14.17 x 13.78           Shipping Dimensions (hwd / cm)         35.00 x 35.99 x 35.00           Shipping Weight (lbs.)         31.00           ENVIRONMENTAL           Operating Temperature Range         -4° to 167°F (-20° to 75°C)           Storage Temperature Range         32° to 140°F (0° to 60°C)           COMMUNICATIONS           Bandwidth per TIA Standard         250 MHz           Maximum Bandwidth as Tested         500 MHz           Network Compatibility         1 Gbps (Gigabit)           IEEE Standards Supported         802.3ab           FEATURES & SPECIFICATIONS           Antibacterial         No           IP68 Rated         No	Cable Length (ft.)	1000	
Cable Length (cm) 30480  Shipping Dimensions (hwd / in.) 13.78 x 14.17 x 13.78  Shipping Dimensions (hwd / cm) 35.00 x 35.99 x 35.00  Shipping Weight (lbs.) 31.00  Shipping Weight (kg) 14.06  ENVIRONMENTAL  Operating Temperature Range -4° to 167°F (-20° to 75°C)  Storage Temperature Range 32° to 140°F (0° to 60°C)  COMMUNICATIONS  Bandwidth per TIA Standard 250 MHz  Maximum Bandwidth as Tested 500 MHz  Network Compatibility 1 Gbps (Gigabit)  IEEE Standards Supported 802.3ab  FEATURES & SPECIFICATIONS  Antibacterial No	Cable Length (m)	304.88	
Shipping Dimensions (hwd / in.) 13.78 x 14.17 x 13.78 Shipping Dimensions (hwd / cm) 35.00 x 35.99 x 35.00 Shipping Weight (lbs.) 31.00 Shipping Weight (kg) 14.06  ENVIRONMENTAL Operating Temperature Range 4° to 167°F (-20° to 75°C) Storage Temperature Range 32° to 140°F (0° to 60°C)  COMMUNICATIONS Bandwidth per TIA Standard 250 MHz Maximum Bandwidth as Tested 500 MHz Network Compatibility 1 Gbps (Gigabit) IEEE Standards Supported 802.3ab  FEATURES & SPECIFICATIONS Antibacterial No	Cable Length (in.)	12000	
Shipping Dimensions (hwd / cm) 35.00 x 35.99 x 35.00  Shipping Weight (lbs.) 31.00  Shipping Weight (kg) 14.06  ENVIRONMENTAL  Operating Temperature Range -4° to 167°F (-20° to 75°C)  Storage Temperature Range 32° to 140°F (0° to 60°C)  COMMUNICATIONS  Bandwidth per TIA Standard 250 MHz  Maximum Bandwidth as Tested 500 MHz  Network Compatibility 1 Gbps (Gigabit)  IEEE Standards Supported 802.3ab  FEATURES & SPECIFICATIONS  Antibacterial No  IP68 Rated No	Cable Length (cm)	30480	
Shipping Weight (lbs.) 31.00  Shipping Weight (kg) 14.06  ENVIRONMENTAL  Operating Temperature Range -4° to 167°F (-20° to 75°C)  Storage Temperature Range 32° to 140°F (0° to 60°C)  COMMUNICATIONS  Bandwidth per TIA Standard 250 MHz  Maximum Bandwidth as Tested 500 MHz  Network Compatibility 1 Gbps (Gigabit)  IEEE Standards Supported 802.3ab  FEATURES & SPECIFICATIONS  Antibacterial No  IP68 Rated No	Shipping Dimensions (hwd / in.)	13.78 x 14.17 x 13.78	
Shipping Weight (kg)  14.06  ENVIRONMENTAL  Operating Temperature Range -4° to 167°F (-20° to 75°C)  Storage Temperature Range 32° to 140°F (0° to 60°C)  COMMUNICATIONS  Bandwidth per TIA Standard Asximum Bandwidth as Tested 500 MHz  Network Compatibility 1 Gbps (Gigabit)  IEEE Standards Supported 802.3ab  FEATURES & SPECIFICATIONS  Antibacterial No No	Shipping Dimensions (hwd / cm)	35.00 x 35.99 x 35.00	
ENVIRONMENTAL  Operating Temperature Range -4° to 167°F (-20° to 75°C)  Storage Temperature Range 32° to 140°F (0° to 60°C)  COMMUNICATIONS  Bandwidth per TIA Standard 250 MHz  Maximum Bandwidth as Tested 500 MHz  Network Compatibility 1 Gbps (Gigabit)  IEEE Standards Supported 802.3ab  FEATURES & SPECIFICATIONS  Antibacterial No  IP68 Rated No	Shipping Weight (lbs.)	31.00	
Operating Temperature Range -4° to 167°F (-20° to 75°C)  Storage Temperature Range 32° to 140°F (0° to 60°C)  COMMUNICATIONS  Bandwidth per TIA Standard 250 MHz  Maximum Bandwidth as Tested 500 MHz  Network Compatibility 1 Gbps (Gigabit)  IEEE Standards Supported 802.3ab  FEATURES & SPECIFICATIONS  Antibacterial No  IP68 Rated No	Shipping Weight (kg)	14.06	
Storage Temperature Range 32° to 140°F (0° to 60°C)  COMMUNICATIONS  Bandwidth per TIA Standard 250 MHz  Maximum Bandwidth as Tested 500 MHz  Network Compatibility 1 Gbps (Gigabit)  IEEE Standards Supported 802.3ab  FEATURES & SPECIFICATIONS  Antibacterial No  IP68 Rated No	ENVIRONMENTAL		
Bandwidth per TIA Standard 250 MHz  Maximum Bandwidth as Tested 500 MHz  Network Compatibility 1 Gbps (Gigabit)  IEEE Standards Supported 802.3ab  FEATURES & SPECIFICATIONS  Antibacterial No  IP68 Rated No	Operating Temperature Range	-4° to 167°F (-20° to 75°C)	
Bandwidth per TIA Standard 250 MHz  Maximum Bandwidth as Tested 500 MHz  Network Compatibility 1 Gbps (Gigabit)  IEEE Standards Supported 802.3ab  FEATURES & SPECIFICATIONS  Antibacterial No  IP68 Rated No	Storage Temperature Range	32° to 140°F (0° to 60°C)	
Bandwidth per TIA Standard 250 MHz  Maximum Bandwidth as Tested 500 MHz  Network Compatibility 1 Gbps (Gigabit)  IEEE Standards Supported 802.3ab  FEATURES & SPECIFICATIONS  Antibacterial No  IP68 Rated No	COMMUNICATIONS		
Maximum Bandwidth as Tested 500 MHz  Network Compatibility 1 Gbps (Gigabit)  IEEE Standards Supported 802.3ab  FEATURES & SPECIFICATIONS  Antibacterial No  IP68 Rated No		250 MHz	
Network Compatibility 1 Gbps (Gigabit)  IEEE Standards Supported 802.3ab  FEATURES & SPECIFICATIONS  Antibacterial No  IP68 Rated No			
FEATURES & SPECIFICATIONS  Antibacterial No  IP68 Rated No			
FEATURES & SPECIFICATIONS  Antibacterial No  IP68 Rated No			
Antibacterial No IP68 Rated No			
		No	
Snagless Connector No	IP68 Rated	No	
	Snagless Connector	No	





STANDARDS & COMPLIANCE		
Product Compliance	RoHS; IEEE 802.3ab 1000Base-T; REACH; Trade Agreements Act (TAA)	
WARRANTY & SUPPORT		
Product Warranty Period (Worldwide)	Lifetime limited warranty	

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