



# Cat6 Gigabit Solid Core UTP PVC Bulk Ethernet Cable, Black, 1000 ft. (304.8 m), TAA

MODEL NUMBER: N222-01K-BK











### **Highlights**

- Less impedance and structural return loss than 100 MHz wire
- Rated for 550 MHz/1 Gbps communications
- High-quality 23 AWG 4-pair solid copper wire
- · CMR-rated PVC jacket
- Meets IEEE 802.3ab and ANSI/EIA/TIA 568 standards

# Package Includes

 N222-01K-BK Cat6 Gigabit Bulk Solid-Core PVC Cable, Black, 1000 ft.

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

#### **Features**

#### Perfect Solution for High-Speed Cat6 Premise Applications

- Designed for distributing data, voice and digital video across Gigabit Ethernet networks
- Delivers speeds up to 550 MHz/1 Gbps
- Reduces impedance and structural return loss compared to standard 100 MHz wire
- Ideal for 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
- CMR-rated PVC 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)

# **TAA-Compliant**

Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

# **Specifications**

| OVERVIEW   |              |
|------------|--------------|
| UPC Code   | 037332196620 |
| Technology | Cat6         |





| Side A - Connector 1         BARE WIRE           Side S - Connector 1         BARE WIRE           Crossover Wiring         No           Angled Connector         No           PHYSICAL           Cable Jackel Color         Black           Cable Jacker Material         PVC           Cable Jacker Rating         CMR           Cable Shielding         UTP           Cable Shielding         UTP           Cable Outer Diameter (OD)         0.2 mm           Number of Conductors         4 Pair           Conductor Material         Solid Copper           Conductor Gauge         23 AWG           Cable Length (IT)         1000           Cable Length (IT)         1000           Cable Length (IT)         12000           Cable Length (IT)         1378 x 14.17 x 13.78           Shipping Dimensions (Itwod / cm)         30.480           Shipping Dimensions (Itwod / cm)         33.38.99 x 35.00           Shipping Weight (Ibs)         29.50           Shipping Weight (Ips)         13.38           ENVIRONMENTAL           Operating Temperature Range         4" to 167°F (20" to 75°C)           Storage Temperature Range         4" to 167°F (20" to 75°C)                 | CONNECTIONS                     |                             |  |
|--|---------------------------------|-----------------------------|--|
| Crossover Wiring         No           Connector Type         Bare Wire           Angled Connector         No           PHYSICAL           Cable Jacket Color         Black           Cable Jacket Material         PVC           Cable Jacket Rating         CMR           Cable Jacket Rating         UTP           Cable Outer Diameter (OD)         6.2 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 (m)         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 (kg)         13.38           ENVIRONMENTAL           Communications           Bandwidth per TiA Standard         250 MHz           Maximum Bandwidth as Tested         500 MHz           Maximum Bandwidth as Tested         500 MHz           Metwork Compatibility         1 Gbps (Gigabit)           IEEE Standards Supported         802.3ab   | Side A - Connector 1            | BARE WIRE                   |  |
| Connector Type         Bare Wire           Angled Connector         No           PHYSICAL           Cable Jacket Color         Black           Cable Jacket Material         PVC           Cable Jacket Rating         CMR           Cable Jacket Rating         UTP           Cable Outer Diameter (OD)         6.2 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 (m)         30480           Shipping Dimensions (hwd / in.)         12000           Shipping Dimensions (hwd / om)         35.00 x 35.99 x 35.00           Shipping Weight (fbs.)         29.50           Shipping Weight (kg)         13.38           ENVIRONMENTAL           Conductor Range         -4" to 187°F (-20" to 75°C)           Storage Temperature Range         -4" to 187°F (-20" to 75°C)           Storage Temperature Range         25 MHz           Maximum Bandwidth as Tested         50 MHz           Meximum Bandwidth as Tested         50 MHz           Meximum Bandwidth as Tested         50 | Side B - Connector 1            | BARE WIRE                   |  |
| Angled Connector No  PHYSICAL  Cable Jacket Color Black Cable Jacket Rating CMR Cable Jacket Rating CMR Cable Shielding UTP Cable Outer Diameter (OD) 6.2 mm Number of Conductors 4 Pair Conductor Material Solid Copper Conductor Material Solid Copper Conductor Gauge 23 AWG Cable Length (h.) 1000 Cable Length (m.) 304.88 Cable Length (m.) 12000 Cable Length (m.) 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 (bs.) 29.50 Shipping Weight (kg) 13.38  ENVIRONMENTAL  Operating Temperature Range 4° to 167°F (-20° to 75°C) Storage Temperature Range 320 MHz Maximum Bandwidth as Tested 500 MHz Metwork Compatibility 1 Gbps (Gigabit) IEEE Standards Supported 802.3ab  | Crossover Wiring                | No                          |  |
| Physical   Cable Jacket Color   Black  | Connector Type                  | Bare Wire                   |  |
| Cable Jacket Color         Black           Cable Jacket Material         PVC           Cable Jacket Rating         CMR           Cable Shielding         UTP           Cable Outer Diameter (OD)         6.2 mm           Number of Conductors         4 Pair           Conductor Gauge         23 AWG           Cable Length (ft)         1000           Cable Length (ft)         1000           Cable Length (m)         304.88           Cable Length (m)         30490           Shipping Dimensions (hwd / m)         13.78 x 14.17 x 13.78           Shipping Dimensions (hwd / cm)         35.00 x 35.99 x 35.00           Shipping Weight (lbs.)         29.50           Shipping Weight (kg)         13.38           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         80.2 3ab   | Angled Connector                | No                          |  |
| Cable Jacket Material         PVC           Cable Jacket Rating         CMR           Cable Shielding         UTP           Cable Outer Diameter (OD)         6.2 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 (m)         12000           Cable Length (m)         30480           Shipping Dimensions (hwd / in.)         13.78 x 14.17 x 13.78           Shipping Weight (lbs.)         29.50           Shipping Weight (lbs.)         29.50           Shipping Weight (kg)         13.38           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           Maximum Bandwidth as Tested         500 MHz           LEE Standards Supported         802.3ab  | PHYSICAL                        |                             |  |
| Cable Jacket Rating         CMR           Cable Shielding         UTP           Cable Outer Diameter (OD)         6.2 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 (m)         30480           Shipping Dimensions (ftwd / in.)         13.78 x 14.17 x 13.78           Shipping Dimensions (ftwd / cm)         35.00 x 35.99 x 35.00           Shipping Weight (lbs.)         29.50           Shipping Weight (kg)         13.38           ENVIRONMENTAL           COMMUNICATIONS           Bandwidth per TIA Standard         250 MHz           Maximum Bandwidth as Tested         500 MHz           Network Compatibility         1 Gbps (Gigabit)           IEEE Standards Supported         802.3ab  | Cable Jacket Color              | Black                       |  |
| Cable Shielding         UTP           Cable Outer Diameter (OD)         6.2 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 / cm)         35.00 x 35.99 x 35.00           Shipping Weight (bs.)         29.50           Shipping Weight (kg)         13.38           ENVIRONMENTAL           Operating Temperature Range         -4" to 167"F (-20" to 75"C)           Storage Temperature Range         -2" 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  | Cable Jacket Material           | PVC                         |  |
| Cable Outer Diameter (OD)         6.2 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 (bs.)         29.50           Shipping Weight (kg)         13.38           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   | Cable Jacket Rating             | CMR                         |  |
| Number of Conductors         4 Pair           Conductor Material         Solid Copper           Conductor Gauge         23 AWG           Cable Length (ft.)         1000           Cable Length (m)         304.88           Cable Length (em)         12000           Cable Length (em)         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 (kbs.)         29.50           Shipping Weight (kg)         13.38           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   | Cable Shielding                 | UTP                         |  |
| Conductor Material         Solid Copper           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.)         29.50           Shipping Weight (kg)         13.38           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   | Cable Outer Diameter (OD)       | 6.2 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.)         29.50           Shipping Weight (kg)         13.38           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   | Number of Conductors            | 4 Pair                      |  |
| 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.)         29.50           Shipping Weight (kg)         13.38           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  | 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.)       29.50         Shipping Weight (kg)       13.38         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  | 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.) 29.50  Shipping Weight (kg) 13.38  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   | 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.) 29.50  Shipping Weight (kg) 13.38  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  | 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.) 29.50  Shipping Weight (kg) 13.38  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   | Cable Length (in.)              | 12000                       |  |
| Shipping Dimensions (hwd / cm) 35.00 x 35.99 x 35.00 Shipping Weight (lbs.) 29.50 Shipping Weight (kg) 13.38  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  | Cable Length (cm)               | 30480                       |  |
| Shipping Weight (lbs.) 29.50 Shipping Weight (kg) 13.38  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   | Shipping Dimensions (hwd / in.) | 13.78 x 14.17 x 13.78       |  |
| Shipping Weight (kg)  13.38  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   | 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  | Shipping Weight (lbs.)          | 29.50                       |  |
| 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   | Shipping Weight (kg)            | 13.38                       |  |
| 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  | ENVIRONMENTAL                   |                             |  |
| 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   | 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   | Storage Temperature Range       | 32° to 140°F (0° to 60°C)   |  |
| Maximum Bandwidth as Tested 500 MHz  Network Compatibility 1 Gbps (Gigabit)  IEEE Standards Supported 802.3ab  FEATURES & SPECIFICATIONS   | COMMUNICATIONS                  |                             |  |
| Network Compatibility 1 Gbps (Gigabit)  IEEE Standards Supported 802.3ab  FEATURES & SPECIFICATIONS  | Bandwidth per TIA Standard      | 250 MHz                     |  |
| IEEE Standards Supported 802.3ab  FEATURES & SPECIFICATIONS  | Maximum Bandwidth as Tested     | 500 MHz                     |  |
| FEATURES & SPECIFICATIONS  | Network Compatibility           | 1 Gbps (Gigabit)            |  |
|  | IEEE Standards Supported        | 802.3ab                     |  |
|  | FEATURES & SPECIFICATIONS       |                             |  |
| rinibational NO  | Antibacterial                   | 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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