

# Cat6a 10G-Certified Solid Core UTP CMR PVC Bulk Ethernet Cable, Blue, 1000 ft. (304.8 m)

# MODEL NUMBER: N223-01K-BL











### **Highlights**

- Rated for 10 Gbps communications
- High-quality 23 AWG 4-pair solid copper wire, UnShielded
- Flame-retardant unshielded CMR-rated PVC jacket
- · Compliant with RoHS
- Meets IEEE 802.3, TIA 568-C.2 and ISO/IEC 11801 standards

## **Package Includes**

 N223-01K-BL Cat6a 10G Bulk Solid-Core 4-Pair Unshielded PVC / CMR Cable, Blue, 1000 ft.

Premium high-speed cabling designed for Cat6a premise (in-wall) applications that allow CMR-rated PVC jackets, such as data centers where 10GBase-T communication is essential.

#### **Features**

# Perfect Solution for High-Speed Cat6a Premise Applications

- Ideal for data centers where local code allows CMR-rated PVC jackets and 10GBase-T communication is essential
- Delivers speeds up to 10 Gbps
- Ideal for 10/100/1000 Base-T Ethernet applications

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

- Made from 23 AWG copper wire
- 4-pair solid Unshielded UTP
- Minimum near-end crosstalk and ANEXT
- Flame-retardant unshielded CMR-rated PVC jacket
- Meets most current industry standards, including RoHS, IEEE 802.3, ANSI/EIA/TIA 568 and ISO/IEC 11801

# **Specifications**

OVERVIEW		
UPC Code	037332181787	
Technology	Cat6a	
PHYSICAL		
Cable Jacket Color	Blue	



Cabbs Jacker Katering         PVC           Cabbs Shielding         UTP           Cabbs Jacker Rating         UTP           Cabbs Outer Diameter (CD)         7.8 mm           Number of Conductors         4 Pair           Conductor Material         Solid Copper           Cabb Length (th)         1000           Cabb Length (m)         30488           Cabb Length (m)         30488           Cabb Length (m)         30480           Shipping Dimensions (mvd / m)         12.90 v 9.50 v 9.50           Shipping Dimensions (mvd / m)         22.90 v 9.50 v 9.50           Shipping Weight (fbs.)         48.00           Shipping Weight (kg)         22.23           ENVIRONMENTAL           Operating Temperature Range         4*10 167*F (-20*10 75*C)           Storage Temperature Range         4*10 167*F (-20*10 75*C)           Storage Temperature Range         40 00 MHz           Maximum Bandwidth per TIA Standard         500 MHz           Maximum Bandwidth per TIA Standard         600 MHz           Maximum Bandwidth per TIA Standard         802.3b           CONNECTIONS           Side A - Connector 1         BARE WIRE           Cossover Wiring         No           Connector	Oalda Jaalaa Maraadal	RVO	
Cable Shielding         UTP           Cable Outer Diameter (OD)         7.6 mm           Number of Conductors         4 Pair           Conductor Material         Solid Copper           Conductor Gagoe         23 AWG           Cable Length (tt)         1000           Cable Length (m)         304.88           Cable Length (m)         304.90           Shipping Dimensions (twd / in)         12.90 x 9.50 x 9.50           Shipping Dimensions (twd / in)         12.90 x 9.50 x 9.50           Shipping Weight (bs.)         49.00           Shipping Weight (bg.)         22.23           ENVIRONMENTAL           Communications (may / in)           Storage Temperature Range         4" to 167"F (-20" to 75"C)           Storage Temperature Range         32" to 140"F (0" to 80"C)           COMMUNICATIONS           Bandwidth per TLA Standard         500 MHz           Maximum Bandwidth as Tosted         600 MHz           Maximum Bandwidth as Tosted         800 MHz           CONNECTIONS           Side A - Connector 1         BARE WIRE           Side B - Connector 1         BARE WIRE           Consector Type         Bare Wire           Angled Connector	Cable Jacket Material	PVC	
Cable Outer Diameter (OD)         7.6 mm           Number of Conductors         4 Pair           Conductor Malerial         Solid Copper           Canductor Gauge         23 AWG           Cable Length (ft.)         1000           Cable Length (m)         304.88           Cable Length (m)         12000           Cable Length (m)         30480           Shipping Dimensions (kmd / in.)         12.90 x 9.50 x 9.50           Shipping Dimensions (kmd / in.)         32.77 x 24.13 x 24.13           Shipping Weight (kg)         22.23           ENVIRONMENTAL           Communications           Storage Temperature Range         -4" to 16"F" (-20" to 75"C)           Storage Temperature Range         -4" to 140"F (0" to 80"C)           Communications           Bandwidth par TIA Standard         500 MHz           Maximum Bandwidth as Tested         600 MHz           Newtwork Compatibility         10 Gbps           IEEE Standards Supported         802.38b           Connector 1           Side A - Connector 1         BARE WIRE           Side A - Connector 1         BARE WIRE           Crossover Wriring         No           Connector Type			
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 (Itwd / Im)         12.90 x 9.50 x 9.50           Shipping Dimensions (Itwd / Im)         32.77 x 24.13 x 24.13           Shipping Weight (Ibs)         49.00           ENVIRONMENTAL           Operature Range         4" to 167"F (-20" to 75"C)           Storage Temperature Range         4" to 167"F (-20" to 60"C)           COMMUNICATIONS           Bandwidth par Tha Standard         500 MHz           Maximum Bandwidth as Tested         600 MHz           Meximum Bandwidth as Tested         802.3a           CONNECTIONS           Side A - Connector 1         BARE WIRE           Side A - Connector 1         BARE WIRE           Side A - Connector 1         BARE WIRE           Connector Type         Bare Wire           Angled Connector         No           FEATURES & SPECIFICATIONS           FAT			
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.)         12.90 x 50 x 9.50           Shipping Dimensions (hwd / cm)         32.77 x 24.13 x 24.13           Shipping Weight (bs.)         49.00           Shipping Temperature Range         49 to 167°F (*20° to 75°C)           Storage Temperature Range         4° to 167°F (*20° to 75°C)           Storage Temperature Range         32° to 140°F (*0° to 60°C)           COMMUNICATIONS           Bandwidth por TIA Standard         500 MHz           Meximum Bandwidth as Tested         600 MHz           Network Compatibility         10 Gbps           IEEE Standards Supported         802.3ab           CONNECTIONS           Side A - Connector 1         BARE WIRE           Side B - Connector 1         BARE WIRE           Crossover Wiring         No           Connector Type         Bare Wire           Antibacterial         No           Antibacterial         No		7.6 mm	
Conductor Gauge         23 AWG           Cable Length (ht.)         1000           Cable Length (m)         304.88           Cable Length (cm)         304690           Shipping Dimensions (hwd / n.)         12.90 x 9.50 x 9.50           Shipping Dimensions (hwd / n.)         32.77 x 24.13 x 24.13           Shipping Weight (bs.)         49.00           Shipping Weight (kg)         22.23           ENVIRONMENTAL           Operating Temperature Range         4° 10.167°F (*20° to 75°C)           Storage Temperature Range         32° to 140°F (*0° to 60°C)           COMMUNICATIONS           Bandwidth per TIA Standard         500 MHz           Maximum Bandwidth as Tested         600 MHz           Network Compatibility         10 Gbps           IEEE Standards Supported         802.3ab           CONNECTIONS           Side A - Connector 1         BARE WIRE           Side B - Connector 1         BARE WIRE           Crossover Wiring         No           Connector Type         Bare Wire           Angled Connector         No           FEATURES & SPECIFICATIONS           Antibacterial         No	Number of Conductors	4 Pair	
Cable Length (ft.)         1000           Cable Length (m)         304.88           Cable Length (m)         12000           Cable Length (cm)         30480           Shipping Dimensions (hwd / in.)         12.90 x 9.50 x 9.50           Shipping Dimensions (hwd / cm)         32.77 x 24.13 x 24.13           Shipping Weight (kb.)         49.00           Shipping Weight (kg)         22.23           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         500 MHz           Maximum Bandwidth as Tested         600 MHz           Network Compatibility         10 Gbps           LEE E standards Supported         802.3ab           CONNECTIONS           Side A - Connector 1         BARE WIRE           Side B - Connector 1         BARE WIRE           Crossover Wring         No           Connector Type         Bare Wire           Antibacterial         No           FEATURES & SPECIFICATIONS	Conductor Material	Solid Copper	
Cable Length (m)         304.88           Cable Length (in.)         12000           Cable Length (cm)         30480           Shipping Dimensions (hwd / in.)         12.90 x 9.50 x 9.50           Shipping Dimensions (hwd / cm)         32.77 x 24.13 x 24.13           Shipping Weight (bb.)         49.00           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         500 MHz           Maximum Bandwidth as Tested         600 MHz           Nativork Compatibility         10 Gbps           IEEE Standards Supported         802.3ab           CONNECTIONS           Side A - Connector 1         BARE WIRE           Side B - Connector 1         BARE WIRE           Cossover Wring         No           Connector Type         Bare Wire           Angled Connector         No           FEATURES & SPECIFICATIONS           Antibacterial         No	Conductor Gauge	23 AWG	
Cable Length (in.)         12000           Cable Length (cm)         30480           Shipping Dimensions (hwd / in.)         12.90 x 9.50 x 9.50           Shipping Dimensions (hwd / cm)         32.77 x 24.13 x 24.13           Shipping Weight (lbs.)         49.00           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         500 MHz           Maximum Bandwidth as Tested         600 MHz           Network Compatibility         10 Gbps           LEEE Standards Supported         80.2 ab           CONNECTIONS           Side A - Connector 1         BARE WIRE           Side B - Connector 1         BARE WIRE           Crossover Wirring         No           Connector Type         Bare Wire           Angled Connector         No           FEATURES & SPECIFICATIONS           Antibacterial         No	Cable Length (ft.)	1000	
Cable Length (cm)         30480           Shipping Dimensions (hwd / in.)         12.90 x 9.50 x 9.50           Shipping Dimensions (hwd / cm)         32.77 x 24.13 x 24.13           Shipping Weight (lbs.)         49.00           ENVIRONMENTAL           Coperating Temperature Range         -4° to 16°°F (-20° to 75°C)           Storage Temperature Range         -4° to 16°°F (-20° to 75°C)           Storage Temperature Range         32° to 140°F (0° to 60°C)           COMMUNICATIONS           Bandwidth per TIA Standard         500 MHz           Maximum Bandwidth as Tested         600 MHz           Network Compatibility         10 Gbps           IEEE Standards Supported         802.3ab           CONECTIONS           Side A - Connector 1         BARE WIRE           Side Sover Wiring         No           Connector Type         Bare Wire           Angled Connector         No           FEATURES & SPECIFICATIONS           Antibacterial         No           Hibbacterial         No	Cable Length (m)	304.88	
Shipping Dimensions (hwd / in.)         12.90 x 9.50 x 9.50           Shipping Dimensions (hwd / cm)         32.77 x 24.13 x 24.13           Shipping Weight (lbs.)         49.00           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         500 MHz           Maximum Bandwidth as Tested         600 MHz           Network Compatibility         10 Gbps           IEEE Standards Supported         802.3ab           CONNECTIONS           Side A - Connector 1         BARE WIRE           Side B - Connector 1         BARE WIRE           Side B - Connector 1 ype         Bare Wire           Angled Connector         No           FEATURES & SPECIFICATIONS           Antibacterial         No           IF68 Rated         No	Cable Length (in.)	12000	
Shipping Dimensions (hwd / cm) 32.77 x 24.13 x 24.13 Shipping Weight (lbs.) 49.00 Shipping Weight (kg) 22.23  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 500 MHz Maximum Bandwidth as Tested 600 MHz Network Compatibility 10 Gbps IEEE Standards Supported 802.3ab  CONNECTIONS  Side A - Connector 1 BARE WIRE Side B - Connector 1 BARE WIRE Crossover Wiring No Connector Type Bare Wire Angled Connector No  FEATURES & SPECIFICATIONS  Antibacterial No	Cable Length (cm)	30480	
Shipping Weight (kg)         49.00           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         500 MHz           Maximum Bandwidth as Tested         600 MHz           Network Compatibility         10 Gbps           IEEE Standards Supported         802.3ab           CONNECTIONS           Side A - Connector 1         BARE WIRE           Side B - Connector 1         BARE WIRE           Crossover Wiring         No           Connector Type         Bare Wire           Angled Connector         No           FEATURES & SPECIFICATIONS           Antibacterial         No	Shipping Dimensions (hwd / in.)	12.90 x 9.50 x 9.50	
ENVIRONMENTAL  Operating Temperature Range	Shipping Dimensions (hwd / cm)	32.77 x 24.13 x 24.13	
ENVIRONMENTAL  Operating Temperature Range	Shipping Weight (lbs.)	49.00	
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  500 MHz  Maximum Bandwidth as Tested  600 MHz  Network Compatibility  10 Gbps IEEE Standards Supported  802.3ab  CONNECTIONS  Side A - Connector 1  BARE WIRE  Side B - Connector 1  BARE WIRE  Crossover Wiring  No  Connector Type  Bare Wire  Angled Connector  No  FEATURES & SPECIFICATIONS  Antibacterial  No  IF68 Rated  No	Shipping Weight (kg)	22.23	
Storage Temperature Range 32° to 140°F (0° to 60°C)  COMMUNICATIONS  Bandwidth per TIA Standard 500 MHz  Maximum Bandwidth as Tested 600 MHz  Network Compatibility 10 Gbps  IEEE Standards Supported 802.3ab  CONNECTIONS  Side A - Connector 1 BARE WIRE  Side B - Connector 1 BARE WIRE  Crossover Wiring No  Connector Type Bare Wire  Angled Connector No  FEATURES & SPECIFICATIONS  Antibacterial No  IP68 Rated No	ENVIRONMENTAL		
COMMUNICATIONS  Bandwidth per TIA Standard 500 MHz  Maximum Bandwidth as Tested 600 MHz  Network Compatibility 10 Gbps  IEEE Standards Supported 802.3ab  CONNECTIONS  Side A - Connector 1 BARE WIRE  Side B - Connector 1 BARE WIRE  Crossover Wiring No  Connector Type Bare Wire  Angled Connector No  FEATURES & SPECIFICATIONS  Antibacterial No  IP68 Rated No	Operating Temperature Range	-4° to 167°F (-20° to 75°C)	
Bandwidth per TIA Standard 500 MHz  Maximum Bandwidth as Tested 600 MHz  Network Compatibility 10 Gbps  IEEE Standards Supported 802.3ab  CONNECTIONS  Side A - Connector 1 BARE WIRE  Side B - Connector 1 BARE WIRE  Crossover Wiring No  Connector Type Bare Wire  Angled Connector No  FEATURES & SPECIFICATIONS  Antibacterial No  IP68 Rated No	Storage Temperature Range	32° to 140°F (0° to 60°C)	
Maximum Bandwidth as Tested 600 MHz  Network Compatibility 10 Gbps  IEEE Standards Supported 802.3ab  CONNECTIONS  Side A - Connector 1 BARE WIRE  Side B - Connector 1 BARE WIRE  Crossover Wiring No  Connector Type Bare Wire  Angled Connector No  FEATURES & SPECIFICATIONS  Antibacterial No  IP68 Rated No	COMMUNICATIONS		
Network Compatibility 10 Gbps  IEEE Standards Supported 802.3ab  CONNECTIONS  Side A - Connector 1 BARE WIRE Side B - Connector 1 BARE WIRE  Crossover Wiring No  Connector Type Bare Wire  Angled Connector No  FEATURES & SPECIFICATIONS  Antibacterial No  IP68 Rated No	Bandwidth per TIA Standard	500 MHz	
EEE Standards Supported 802.3ab  CONNECTIONS  Side A - Connector 1 BARE WIRE  Side B - Connector 1 BARE WIRE  Crossover Wiring No  Connector Type Bare Wire  Angled Connector No  FEATURES & SPECIFICATIONS  Antibacterial No  IP68 Rated No	Maximum Bandwidth as Tested	600 MHz	
CONNECTIONS  Side A - Connector 1 BARE WIRE  Side B - Connector 1 BARE WIRE  Crossover Wiring No  Connector Type Bare Wire  Angled Connector No  FEATURES & SPECIFICATIONS  Antibacterial No  IP68 Rated No	Network Compatibility	10 Gbps	
Side A - Connector 1 BARE WIRE  Side B - Connector 1 BARE WIRE  Crossover Wiring No  Connector Type Bare Wire  Angled Connector No  FEATURES & SPECIFICATIONS  Antibacterial No  IP68 Rated No	IEEE Standards Supported	802.3ab	
Side B - Connector 1 BARE WIRE  Crossover Wiring No  Connector Type Bare Wire  Angled Connector No  FEATURES & SPECIFICATIONS  Antibacterial No  IP68 Rated No	CONNECTIONS		
Crossover Wiring No  Connector Type Bare Wire  Angled Connector No  FEATURES & SPECIFICATIONS  Antibacterial No  IP68 Rated No	Side A - Connector 1	BARE WIRE	
Connector Type Bare Wire  Angled Connector No  FEATURES & SPECIFICATIONS  Antibacterial No  IP68 Rated No	Side B - Connector 1	BARE WIRE	
Angled Connector No  FEATURES & SPECIFICATIONS  Antibacterial No  IP68 Rated No	Crossover Wiring	No	
FEATURES & SPECIFICATIONS  Antibacterial No  IP68 Rated No	Connector Type	Bare Wire	
Antibacterial No IP68 Rated No	Angled Connector	No	
IP68 Rated No	FEATURES & SPECIFICATIONS		
	Antibacterial	No	
Snagless Connector No	IP68 Rated	No	
	Snagless Connector	No	



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



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