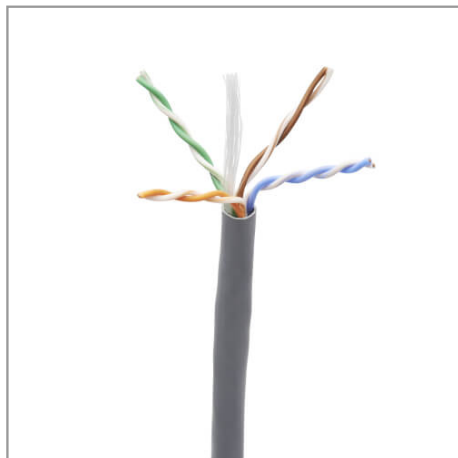# Cat6 Gigabit Solid Core UTP Bulk Ethernet Cable, CMP-LP 0.5A Plenum, 100W PoE/PoE++, Gray, 1000 ft. (304.8 m)

MODEL NUMBER: **N224-01K-GY-LP5**

Premium high-speed Cat6 cable designed for in-wall data, voice, security and audio/video applications, including 100W high-power PoE.

Features

Premium High-Speed Cat6 Cable for Gigabit Ethernet Premise Applications This high-speed bulk cable is ideal for Cat6 premise (in-wall) applications in air ducts and drop ceilings in commercial and residential installations. This includes the distribution of data, voice, security and audio/video across Gigabit Ethernet networks. Designed for fast transmission and excellent signal quality, this 1000-foot roll of gray cabling ensures peak performance through your LAN. Manufactured from 23 AWG copper wire, the N224-01K-GY-LP5 delivers speeds up to 550 MHz/1 Gbps.

Designed for PoE++ and High-Power PoE Applications The plenum-rated CMP-LP jacket meets UL's latest Limited Power (LP) standards for 0.5A cables. This ensures the cable will withstand the heat required to power devices at PoE++ (60W) or High-Power (100W) PoE power levels, no matter the bundle size or environmental conditions, such as enclosed spaces.

Highlights

- UL-listed CMP-LP (0.5A) plenum-rated jacket certified for PoE++ and high-power PoE
- Recommended for horizontal premise installations in air ducts and drop ceilings
- 23 AWG 4-pair solid copper cable rated for 550 MHz/1 Gbps Ethernet speeds
- Bulk pack of 1000 ft. cable comes in gray for custom color-coded applications

Applications

- Connect Gigabit Ethernet network components, such as computers, routers and modems, in air ducts and drop ceilings in a home, office, school or church application
- Future-proof cable infrastructure against increasing PoE power levels
- Set up a security application involving PoE surveillance cameras

Package Includes

- N224-01K-GY-LP5 Cat6 Ethernet Cable - CMP-LP 0.5A Plenum, Gray, 1000 ft.

Specifications

OVERVIEW	
UPC Code	037332247957
Technology	Cat6; PoE

CONNECTIONS	
PoE Capability	100W (802.3bt); 15.4W (802.3af); 30W (802.3at); 60W (802.3bt)
Side A - Connector 1	BARE WIRE
Side B - Connector 1	BARE WIRE
Crossover Wiring	No

PoE Type	Type 3 PoE++/UPoE (60W, IEEE 802.3bt); Type 1 PoE (15.4W, IEEE 802.3af); Type 2 PoE+ (30W, IEEE 802.3at); Type 4 High-Power (100W, IEEE 802.3bt)
Connector Type	Bare Wire
Angled Connector	No

PHYSICAL	
Cable Jacket Color	Gray
Cable Jacket Material	PVC
Cable Jacket Rating	CMP-LP5
Cable Shielding	UTP
Cable Outer Diameter (OD)	5.8 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 (in.)	12000
Cable Length (cm)	30480

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; 802.3af; 802.3at; 802.3bt

FEATURES & SPECIFICATIONS	
Antibacterial	No
IP68 Rated	No
Snagless Connector	No
IP20 Rated	No

STANDARDS & COMPLIANCE	
Product Compliance	RoHS; IEEE 802.3ab 1000Base-T; IEEE 802.3af PoE; IEEE 802.3at PoE+; IEEE 802.3bt PoE++; REACH

WARRANTY & SUPPORT	

Product Warranty Period (Worldwide)	Lifetime limited warranty

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