

Category 6 Modular Jack Tool-Less Shuttered Low Insertion Loss



The BELLCOMMS product Modular Shutter range of products are the next generation of data communications solutions. The Category 6 shuttered modular jacks incorporate BELLCOMM's patented shutter mechanism. Combine this feature with high Technology with produce, and you have the most technically advanced Category6 connector on the market. These modular jacks are colour-coded for both 568A and 568B standards and can be terminated using a standard Krone or 110 style tool. Clear wire retaining caps are supplied and can be used to provide additional cable strain relief.

Specification :

Application : Supports Voice, 155/622 Mbps ATM, 270 Mbps digital video, 4/16 Mbps Token Ring, 100 Mbps TP-PMD, Supports 10BASE-T Ethernet, 100BASE-TX Fast Ethernet, Supports 1000BASE-T Gigabit Ethernet, and Broadband video, 100mbps TPDDI, ISDN Broadband video, ISDN

Product Features :

- Aesthetic, contemporary design.
- BELLCOMM's fold-faced with shutter mechanism.
- Fully compliant to AS/NZS 3080:200., ISO/IEC 11801 Edition 2 2002 and ANSI/TIA/EIA-568-B, Series connection Hardware Standards.
- Backward compatible with Category 5 and 5e Products.
- Compatible with keystone face plate.
- Compatible with 110, Krone and Bix tools.
- UL 94V⁰ rated.
- Accepts solid 22-24 AWG diameter conductors.

Customer Benefits :

- Performs beyond Category6 Standards.
- Shutter mechanism is easy to operate, simply insert the plug lead into the jack.
- Protection from dust ingress, insect infestation and the insertion of foreign objects.
- Various colours for easier circuit identification. Is backward compatible with Category5 and 5E products, allowing
- component mixing without degrading the network below the minimum component category.
- Fits all with standard keystone Wall Plates customer access to the most popular plates on the market.
- For use in Multi-user Telecommunication Outlet Applications (MUTO) and Consolidation Points (CP).
- Flexible locking tabs allow for termination verification and assist in cable retention.
- Compatible with standard 110 Krone and Bix tools, allowing for a wider choice of tools for installers.

Electrical Characteristics :

Dielectric Strength	: 1,000V RMS at 60Hz for 1minute
Current Rating	: 1.5Amp maximum
Insulation Resistance	: 200M-Ohm minimum
Contact Resistance	: 1m.Ohm per contact
Temperatur Rang	: -40 C to + 70 C
Transmission Performance	: exceeds ISO/IEC 11801 Class E AS/NZS 3080:2003 Class E

Mechanical Characteristics :

Modular Connector	
RJ45 8-Pin Connector	: FCC part 68, Subpart F and IEC-60603-7 compliant
Durability	: 1000 insertion cycles min.
Material	: Phosphor Bronze with 50 micro-inches of gold over 100 micro-inches nickel plating
IDC Connector	
IDC Conector	: Insulation slicing of 22 to 24 AWG (0.64 to 0.41mm)
Insulation Diameter (Wire)	: 0.70 - 1.40mm
Durability	: 10 insertions of any combination of wire gauge - two wire per slot
Connector Material	: Phosphor Bronze with nickel plating
IDC Body & Cover Material	Fire-Retardant, UL 94V-0, Plastic

PART NO.	DESCRIPTION
C63003	CAT6 Tool-Less Shuttered Modular Jack Keystone

Technical Specifications :

Frequency MHz	INSERTION	NEXT	FEXT	RETURN
	LOSS dB	dB	dB	LOSS dB
1.0	0.02	84.8	83.7	52.4
4.0	0.02	80.3	74.5	53.7
8.0	0.02	77.5	69.5	55.3
10.0	0.03	76.5	67.5	56.1
16.0	0.03	72.0	63.0	57.6
20.0	0.04	72.1	61.7	59.3
25.0	0.04	69.1	60.0	59.4
31.25	0.05	67.7	58.2	56.8
62.5	0.06	61.5	52.6	42.3
100.0	0.06	57.7	48.8	33.2
200.0	0.06	52.5	42.2	21.2
250.0	0.10	48.0	40.1	17.4