MMC MultimediaConnect

DELTA

BC6ANBTL
CAT6A UTP tooless RJ45 modular jack

DESCRIPTIONS

The BC6ANBTL is a CAT6A UTP tooless RJ45 modular jack answering to the CAT6A performances and supporting the 10 Gbps thanks to the followings characteristics :

- Tooless termination through a wiring cap equipped with a separator in order to facilitate the wire management and to reduce the unspliting lenght
- Component certified
- Very compact connector with a depth of 28.25mm : compatible with a big part of the faceplates and wall boxes
- Optimized printed circuit to improve high frequencies crosstalk performance
- Equipped with a translucent wire cap to allow an easy visual inspection
- Keystone type
- Two wings linked to the connector's body (no loose part) offer a simple and easy locking system
- Dust shutter (optional) available in different color (green, red, yellow, bue and white)

PERFORMANCES

CONNECTOR	SYSTEM
IEC 60603-7-5 CAT6A	TIA 568-C.2 CAT6a
FCC Part 68 subpart F	ISO 11801 Ed2.2 Class Ea
TIA 570-B	EN 50173-1
UL 18663	IEEE 802.3af & at (PoE / PoEP)

TECHNICAL PROPERTIES

IDC	Bronze + Platine / Cu + SnPb 80µ
Solid and flexible conductor	From AWG26 to AWG23
Maximum insulation diameter	1.3 mm
Maximum cable diameter	9.1mm
Contact	Bronze, Platine Ni and Au 1.2µm

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BC6ANBTL
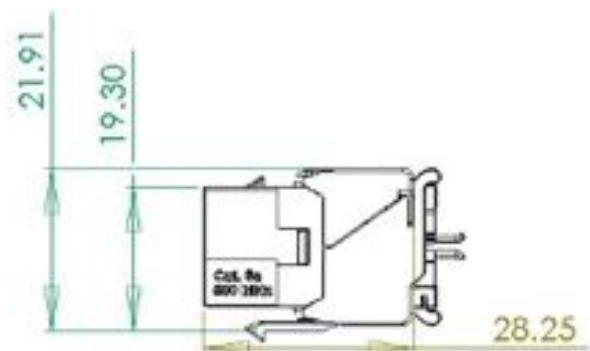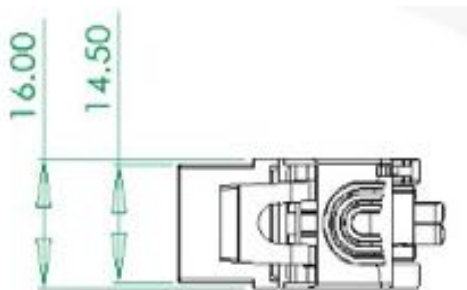CAT6A UTP tooless RJ45 modular jack

ELECTRICAL PROPERTIES

Contact Resistance	< 20 mΩ IEC 60512-2-1 Test 2a
Input/Output resistance	< 200mΩ IEC 60512-2-1 Test 2a
Insulation resistance	> 500MΩ @100V DC IEC 60512-3-1 Test 3a
Voltage	> 1000V DC contact to contact (IEC 60512-4-1 Test 4a Method A)
Insertion cycle	> 1000
Operating voltage	< 72V DC
Power capacity	< 30W
Disturbance of vibration	< 10µs (3 axis) IEC 60512-4-1 Test 2e
Operating Temperature	-40°C to +70°C

3D DRAWINGS

RELATED PRODUCT

P/N	DESCRIPTION	PACKAGING
BCDUSTSHBL8	White dust shutter for BC and BCTL connectivity	8
BCDUSTSHB8	Blue dust shutter for BC and BCTL connectivity	8
BCDUSTSHR8	Red dust shutter for BC and BCTL connectivity	8
BCDUSTSHV8	Green dust shutter for BC and BCTL connectivity	8
BCDUSTSHY8	Yellow dust shutter for BC and BCTL connectivity	8

ORDERING INFORMATION

P/N	DESCRIPTION	PACKAGING
BC6ANBTL50	CAT6A UTP RJ45 tooless RJ45 modular jack	50

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