BELDEN
SENDING ALL THE RIGHT SIGNALS

DC6MJKUxx-S1 Modular Connectors - CAT6 Modular Jack - DataConnect

Preview Document. Not Live Data.

For more Information
please call

1-800-Belden1

RoHS COMPLIANT
ENVIRONMENTALLY FRIENDLY

Description

DataConnect CAT6 Modular Jack, RJ45, (xx = Color)

Usage (Overall):

Suitable Applications	Ethernet 10/ 100/ 1G/ 2.5G/ 5GBase-T, Support Power Over Ethernet (up to 100W), Cisco UPOE (up to 60W) and Power over HDBase-T (up to 100W)
Related Parts	Compatible with Keystone Faceplates, Adapters, Boxes and DataConnect Patch Panel

Physical Characteristics (Connectivity):

Dimensions:
Dimensions

Height (in.)	Width (in.)	Depth (in.)
0.930	0.640	1.360

Materials:
Materials

Description	Type	Material
Front Connection	Lead Frame	Copper Alloy with 50u inch Gold over Nickel
Rear Connection	IDC	Copper Alloy with Nickel Plating
Connector Body		Plastic - UL94V-0

Wiring Scheme:
Wiring Scheme	T568A/B

Weight:
Weight:	0.015 lbs.

Included Parts:
Included Parts	1 Protective Cap

Packaging:
Packaging	Individually packaged in a plastic bag.

Mechanical Characteristics (Connectivity):

Footprint/Type	Keystone
Plug / Jack Compatibility	RJ45, RJ11

Termination Interface

Termination	Connection	Durabilities
Front	Mated Connection	750 cycles
Rear	Gas Tight IDC Connection	20 terminations

Connector/Hardware Retention:	20 lbs.
Plug/Connector Retention:	11.250 lbs.
Storage Temperature Range	-40°C To +70°C

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Installation Temperature Range	-10°C To +60°C
Operating Temperature Range	-10°C To +60°C
Tool Compatibility	Belden 110 Connecting Tool, MediaFlex Termination Station, Belden Rapid Termination Tool (RTT)

Applicable Specifications and Agency Compliance (Overall):

Applicable Standards & Environmental Programs:

IEEE Specification	IEEE 802.3at Type 1 and Type 2 (up to 30W), IEEE 802.3bt Type 3 and Type 4 (up to 100W)
Other Standards	IEC 60603-7, ANSI/TIA 1096-A (formely FCC Part 68)
EU Directive 2002/95/EC (RoHS)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	07/01/2006
MII Order #39 (China RoHS)	EUP 50
Telecommunications Standards	Category 6 - ANSI/TIA 568.2-D, Category 6- ISO/IEC 11801-1, TIA TSB-5021
Safety Listing	c(UL)us Listed
Other Specification	UL 1863 Communications - Circuit Accessories

Suitability:

Suitability - Indoor	Yes - Indoor

Transmission Characteristics (Connectivity):

Dielectric Strength	1 000 V for 1 minute
Insulation Resistance	500 M-Ohm Minimum
Max. Contact Resistance	20 m-Ohm
Termination Resistance	2.5 m-Ohm

Notes (Overall):

Notes	Please see Installation Guide PX106885
Notes (Cont'd.)	IDC Wire Gauge: 22~24 AWG

Product Family:
Part Number List

Item Number	Color
DC6MJKUBK-S1	Black
DC6MJKUEW-S1	Elec. White
DC6MJKUGY-S1	Gray
DC6MJKUPR-S1	Purple
DC6MJKURD-S1	Red
DC6MJKUYL-S1	Yellow
DC6MJKUBL-S1	Blue
DC6MJKUGN-S1	Green
DC6MJKUIV-S1	Ivory
DC6MJKUOR-S1	Orange

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