DM-CONN-ULTRA-RECP

DigitalMedia™ Ultra Keystone RJ45 Jack

> *Shielded CAT6a RJ45 jack*

> *Keystone module form factor*

> *Best-in-class performance*

> *Exceeds Category 6A performance requirements*

> *Ultra-fast and reliable termination*

> *Robust die cast metal housing*

> *Enhanced 360 degree shielding*

> *Automatic cable shield termination [1]*

> *Accommodates multiple cable diameters*

> *Ultimate performance for 10GBase-T Ethernet, Crestron DM 8G+®, and HDBaseT®*

> *Compatible with Crestron DM 8G® and DM® Ultra cable*

> *Sold in packs of 20 or 50 with termination tool included*

The DM-CONN-ULTRA-RECP is a shielded CAT6a RJ45 jack designed for use with the Crestron® DigitalMedia™ 24-Port Keystone Patch Panel (model DM-RPP-K24) or any keystone wall plate. It fits in a standard keystone module opening and can be field-terminated in as little as 60 seconds using the tool provided. Using the DM-CONN-ULTRA-RECP in combination with DM® Ultra cable ensures the highest performance and reliability for distributing uncompressed 4K/60 video over cable lengths up to 330 ft (100 m) as part of a complete Crestron DigitalMedia system. It also excels for use with HDBaseT® and 10GBase-T Ethernet.

The DM-CONN-ULTRA-RECP offers best-in-class performance exceeding all Category 6A performance requirements. In fact, it exceeds all applicable industry standards including ANSI/TIA-568-C.2 and ISO/IEC 11801 Ed 2.2. Such exceptional performance is achieved through an innovative termination process utilizing a unique tool and linear termination module that eliminate split and crossed pairs. The diagonally-oriented IDC contact configuration maximizes pair-to-pair separation, thereby minimizing alien crosstalk in even the densest Category 6A patching environments. The entire termination process is made incredibly quick and easy while removing variability to ensure consistently high performance and reliability.

The DM-CONN-ULTRA-RECP is sold in packages of 20 or 50. Each package includes one termination tool.

SPECIFICATIONS

Connectors

Compatible Cable Standards: CAT5e, CAT6, CAT6a (including Crestron DM 8G® and DM® Ultra cable)
Contact Resistance: 20 mΩ
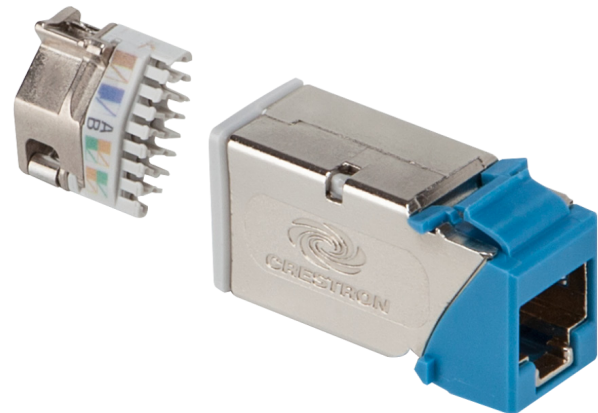**Input to Output Resistance:** 200 mΩ
Insulation Resistance: 500 mΩ
Dielectric Withstand Voltage: 1500 Volts DC or AC peak minimum; 1000 Volts DC or AC peak minimum contact to contact
Current Rating: 1.5 Amps
PoE Compatibility: IEEE 802.3at PoE & PoE+
Shielding: 360 degree shielded enclosure

Mechanical – Jack

Compatible Plug Types: RJ45 (8-position), RJ11 (6-position)
Insertion Cycles: 2500 minimum
Contact Force: 50 gf minimum
Retention Force: 50 N minimum

Mechanical – Terminals

Compatible Cable Constructions: S/FTP, F/FTP, F/UTP
Wiring Standards: TIA/EIA T568A & T568B
Wire Size Range: 22 to 26 AWG (0.25 to 0.14 mm^2) nominal solid; 23 to 26 AWG (0.25 to 0.14 mm^2) nominal stranded
Wire Conductor Diameter: 0.023 in (0.60 mm) maximum
Wire Conductor Insulation Diameter: 0.058 in (1.48 mm) maximum
Cable Overall Outer Diameter: 0.354 in (9 mm) maximum
Reterminations: 5 maximum (not recommended with 22 AWG shielded)

Construction

Housing Material: Zinc die cast
Contact Materials: Plated phosphor bronze, stainless steel
Plastic Materials: Flame retardant thermoplastic
Flammability Rating: UL 94V-0
Green Features: RoHS, lead-free, halogen-free, PVC free

Environmental

Temperature: 14° to 140° F (-10° to 60° C)

Dimensions

Height: 0.84 in (21.1 mm)
Width: 0.57 in (14.5 mm)
Depth: 1.60 in (41.2 mm)

Weight

1 oz (29 g)

Compliance

ANSI/TIA-568-C.2, ISO/IEC 11801 Ed 2.2, ETL Tested, IEEE 802.3an,
IEEE 802.3af, IEEE 802.3at, ANSI/TIA 1096-A, IEC 60603-7-51,
IEC 60512-99-001 (3rd party verified)

MODELS

Available Models

DM-CONN-ULTRA-RECP-20: DigitalMedia™ Ultra Keystone RJ45 Jack,
20-Pack w/Termination Tool
DM-CONN-ULTRA-RECP-50: DigitalMedia™ Ultra Keystone RJ45 Jack,
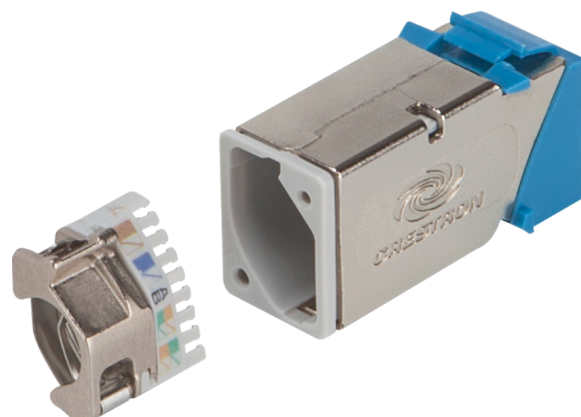50-Pack w/Termination Tool

Notes:

1. When installed in a DM-RPP-K24 patch panel frame.

This product may be purchased from an authorized Crestron dealer. To find a dealer, please
contact the Crestron sales representative for your area. A list of sales representatives is available
online at www.crestron.com/salesreps or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at: patents.crestron.com.

Certain Crestron products contain open source software. For specific information, please visit
www.crestron.com/opensource.

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Rear View

Crimp Tool