

## Connectors for DigitalMedia™ Ultra Cables, 20 Pack

- Shielded CAT6a RJ-45 plug
- Compatible with the [DM-CONN-ULTRA-RECP-20/50](#) and the [DM-CONN-ULTRA-RECP-XA-20 \(45-Degree Angled\)](#) Connectors for DigitalMedia™ Ultra Cables
- Exceeds Category 6A performance requirements
- Ultra-fast and reliable termination with the [DM-CRIMP-ULTRA-PLUG](#) termination tool (sold separately)
- Accommodates multiple cable diameters
- Automatic cable shield termination
- Ultimate performance for 10GBase-T Ethernet, Crestron DM 8G+, and HDBaseT® devices
- Compatible with Crestron DM 8G® and DM® Ultra cables
- Sold in packs of 20

The Crestron® [DM-CONN-ULTRA-PLUG-20](#) is a shielded CAT6a RJ-45 plug designed for use with the [DM-CONN-ULTRA-RECP-20/50](#) and the [DM-CONN-ULTRA-RECP-XA-20 \(45-Degree Angled\)](#) Connectors for DigitalMedia™ Ultra Cables. The connector can be field-terminated in as little as 60 seconds using the [DM-CRIMP-ULTRA-PLUG](#) termination tool (sold separately).

Using the DM-CONN-ULTRA-PLUG-20 in combination with DM® Ultra cables ensures the highest performance and reliability for distributing uncompressed 4K/60 video over cable lengths up to 330 ft (100 m). It also excels for use with HDBaseT® and 10GBase-T Ethernet devices.

## Specifications

## Electrical

<b>Mated Contact Resistance</b>	20 mΩ
<b>Input to Output Resistance</b>	200 mΩ (single conductors) 100 mΩ (shield)
<b>Min. Dielectric Withstand Voltage</b>	1000 VAC contact to contact 1500 VDC contact to shield
<b>Current Rating</b>	1.5 A at @ 77° F (25° C)
<b>Ingress Protection</b>	IP20
<b>Shielding</b>	Fully shielded, 360 degree enclosure

## Mechanical – Jack

<b>Insertion Cycles</b>	2500 minimum
<b>Plug Retention Force</b>	50 N (11.24 lbf) minimum
<b>Mating/Unmating Force</b>	20 N (4.5 lbf) minimum
<b>Cable Retention Force</b>	22/23 AWG 100 N (22.48 lbf); 26AWG 50 N (11.24 lbf)

## Mechanical – Terminals

<b>Wire Size Range</b>	22 to 26 AWG (0.25 to 0.14 mm <sup>2</sup> ) nominal solid; 23 to 26 AWG (0.25 to 0.14 mm <sup>2</sup> ) nominal stranded
<b>Cable Overall Outer Diameter</b>	0.37 in. (9.5 mm) maximum
<b>Reterminations</b>	3

## Construction

<b>Housing Material</b>	Zinc die cast; Nickel plating
<b>Contact Materials</b>	Copper alloy, plated with 50 microinches (1.27 micron) minimum thick gold or equivalent
<b>Flammability Rating</b>	UL® listed
<b>Green Features</b>	RoHS, lead-free, halogen-free, PVC free

## Environmental

<b>Operating Temperature</b>	14° to 140° F (-10° to 60° C)
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## Connectors for DigitalMedia™ Ultra Cables, 20 Pack

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

**Dimensions**

**Height** 0.78 in. (20 mm) without boot;  
0.83 in. (21 mm) with boot

**Width** 0.56 in. (14 mm) without boot;  
0.56 in. (14 mm) with boot

**Depth** 1.5 in. (38 mm) without boot;  
2.3 in. (58 mm) with boot

**Compliance**

ANSI/TIA-568-2-D, ISO/IEC 11801-1 Ed 1.0, IEEE 802.3af (Type 1), IEEE 802.3at (Type 2), IEEE 802.3bt (Type 3 and 4), IEC-61156, IEC 60603-7, UL 2043, and UL 1863

**Model****DM-CONN-ULTRA-PLUG-20**

Connectors for DigitalMedia™ Ultra Cables

**Available Accessories****DM-CRIMP-ULTRA-PLUG**

Termination Tool for DM-CONN-ULTRA-PLUG-20

**DM-CONN-ULTRA-RECP-XA-20**

45-Degree Angled Connectors for DigitalMedia™ Ultra Cables (recommended receptacle for the DM-CONN-ULTRA-PLUG-20)

**DM-CONN-ULTRA-RECP-20**

DigitalMedia™ Ultra Keystone RJ-45 Jack, 20-Pack w/ Termination Tool

**DM-CONN-ULTRA-RECP-50**

DigitalMedia™ Ultra Keystone RJ-45 Jack, 50-Pack w/ Termination Tool

**DM-CBL-ULTRA-NP-SP500**

DigitalMedia™ Ultra Cable, Non-Plenum Type CMR, 500 ft (152 m) spool

**DM-CBL-ULTRA-NP-SP1000**

DigitalMedia™ Ultra Cable, Non-Plenum Type CMR, 1000 ft (305 m) spool

**DM-CBL-ULTRA-P-SP500**

DigitalMedia™ Ultra Cable, Plenum Type CMP, 500 ft (152 m) spool

**DM-CBL-ULTRA-P-SP1000**

DigitalMedia™ Ultra Cable, Plenum Type CMP, 1000 ft (305 m) spool

**DM-CBL-ULTRA-P-B-SP1000**

DigitalMedia™ Ultra Cable, Plenum Type CMP, Black, 1000 ft (305 m) spool

**DM-CBL-ULTRA-LSZH-SP500**

DigitalMedia™ Ultra Cable, Low Smoke Zero Halogen, 500 ft (152 m) spool (Available only in Europe)

**DM-CBL-ULTRA-LSZH-SP1000**

DigitalMedia™ Ultra Cable, Low Smoke Zero Halogen, 1000 ft (305 m) spool (Available only in Europe)

**DM-CBL-8G-P-SP500**

DigitalMedia 8G™ Cable, plenum, 500 ft (152 m) spool

**DM-CBL-8G-P-SP1000**

DigitalMedia 8G™ Cable, plenum, 1000 ft (305 m) spool

**DM-CBL-8G-NP-SP500**

DigitalMedia 8G™ Cable, non-plenum, 500 ft (152 m) spool

**DM-CBL-8G-NP-SP1000**

DigitalMedia 8G™ Cable, non-plenum, 1000 ft (305 m) spool

This product may be purchased from select authorized Crestron dealers and distributors. To find a dealer or distributor, please contact the Crestron sales representative for your area. A list of sales representatives is available online at [www.crestron.com/How-To-Buy/Find-a-Representative](http://www.crestron.com/How-To-Buy/Find-a-Representative) or by calling 855-263-8754.

This product is covered under the Crestron standard limited warranty. Refer to [www.crestron.com/warranty](http://www.crestron.com/warranty) for full details.

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