

DigitalMedia™ Ultra Cable, Non-Plenum Type CMR

- > Ultra high-bandwidth CAT7a shield twisted pair (S/FTP) cable
- > Enables lossless distribution of 4K and Ultra HD video signals at distances of 330 ft (100 m) via DM 8G+® or HDBaseT®
- > Ensures Crestron® guaranteed performance for DigitalMedia 8G+® systems
- > Exceeds HDMI® specifications requiring less than one pixel error per billion
- > Qualified for use with 10-Gigabit Ethernet data networks
- > Every spool individually tested and certified
- > Measurement markings on the outer jacket
- > Type CMR rated for riser and other non-plenum installation

Crestron® DigitalMedia™ Ultra Cable (DM-CBL-ULTRA-NP) is a high-bandwidth CAT7a shielded twisted pair (S/FTP) cable that is engineered to deliver optimum performance for 10 gigabit data networking and 4K ultra high-definition AV signal distribution applications. It is precision manufactured and tested to exceed HDMI® specifications requiring less than one pixel error per billion at distances up to 330 ft (100 m).

DigitalMedia (DM®) Ultra Cable provides a Crestron guaranteed wiring solution for use with Crestron DigitalMedia 8G+® (DM 8G+®) devices, and is also highly recommended for use with HDBaseT® and other CATx based video and audio systems. DM Ultra Cable is qualified for use with 10GBase-T Ethernet and anywhere else a high-quality shielded CAT5e, CAT6, or CAT7 cable is required.

DM Ultra Cable is easily terminated using Crestron [DM-CONN](#) shielded RJ45 type connectors. No crimping tool is required, affording fast and reliable termination in the field.^[1]

DM-CBL-ULTRA-NP is rated Type CMR for installation in risers and other non-plenum spaces. For plenum applications requiring Type CMP rated cable, use [DM-CBL-ULTRA-P](#).

SPECIFICATIONS

Construction

S/FTP with four individually shielded twisted pairs, overall shield, and overall jacket

Electrical & Performance

Mutual Capacitance: ≤ 5.6 nF / 100 m @ 1 kHz

Velocity of Propagation: 74% nominal

Delay Skew: ≤ 25 ns / 100 m

Conductor DC Resistance: ≤ 85 Ohms / km @ 20°C

Conductor DC Resistance Unbalance: $\leq 2\%$ @ 20°C

Pair to Ground Capacitance Unbalance: ≤ 1200 pF / km

Characteristic Impedance: 100 Ohms nominal



(4) Shielded Twisted Pairs

Colors: Blue/white, orange/white, green/white, brown/white

Conductors: 22 AWG solid bare copper

Insulation: Foam PE

Outer Diameter (per conductor): 0.059 inch (1.5 mm) nominal

Shield (per pair): AL foil

Overall Shield

Shield: Tinned copper braid (>50% coverage)

Outer Jacket

Color: Blue

Material: PVC

Thickness: 0.022 inch (0.55 mm)

Outer Diameter: 0.311 ± 0.012 inch (7.9 ± 0.3 mm)

Minimum Recommended Bend Radius: 2.5 inches (64 mm)

Maximum Recommended Pull Tension: 25 lbf (111 N)

Environmental

Operating Temperature: -4° to 140°F (-20° to 60°C)

Weight

Bulk Cable Weight: 41.67 lb / 1000 ft (62.0 kg / km)

Compliance

Type CMR, NEC Article 800, UL Subject 444, cUL, IEC 61156-5, ISO/IEC 11801, Category 7a

DM-CBL-ULTRA-NP DigitalMedia™ Ultra Cable, Non-Plenum Type CMR

MODELS & ACCESSORIES

Available Models

DM-CBL-ULTRA-NP-SP500: DigitalMedia™ Ultra Cable, Non-Plenum Type CMR, 500 ft spool

DM-CBL-ULTRA-NP-SP1000: DigitalMedia™ Ultra Cable, Non-Plenum Type CMR, 1000 ft spool

Available Accessories

DM-CONN: Connector for DM-CBL-ULTRA

Notes:

1. [DM-CONN](#) connectors sold separately.

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.

Crestron, the Crestron logo, DigitalMedia, DigitalMedia 8G+, DM, and DM 8G+ are either trademarks or registered trademarks of Crestron Electronics, Inc. in the United States and/or other countries. HDBaseT is either a trademark or registered trademark of the HDBaseT Alliance in the United States and/or other countries. HDMI is either a trademark or registered trademark of HDMI Licensing LLC in the United States and/or other countries. Other trademarks, registered trademarks, and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Crestron disclaims any proprietary interest in the marks and names of others. Crestron is not responsible for errors in typography or photography. Specifications are subject to change without notice. ©2015 Crestron Electronics, Inc.