



QM CABLE INFORMATION

Cable Length
The maximum length for a QM cable run is 450 feet. This is the aggregate length from the origination point (QM transmitter) to the endpoint (QM receiver), and may include up to two (2) midpoint devices inline. This is contingent upon the use of low-skew CAT5e or CAT6 cable with a delay skew of s15nS per 100m, such as CresCAT-QM or CresCAT-IM.

Delay Skew
The maximum allowable delay skew for a QM cable run (aggregate length from origination point to endpoint) is 22 nS. This is contingent upon the use of an endpoint device with 22nS delay skew compensation available.

Midpoints
A maximum of two (2) midpoint devices may be inserted anywhere between the origination point and endpoint of a given QM signal path. Generally, a midpoint device is a QM routing product having both QM in and out ports, such as a QM-MD8X8, 4X2, 7X2, or 5X1. The QM-AE does not count as a midpoint because it passes its QM signal through passively. Touchpanels and TPIs may qualify as both endpoints and origination points, but are never midpoints.

Resolution
QuickMedia supports resolutions up to 1920 x 1200 pixels (WUXGA). The refresh rate (vertical sync) is limited to 60Hz for resolutions of 1600 x 1200 (UXGA) or higher.

Pixel Clock
Regardless of resolution, QuickMedia supports pixel clocks up to 200MHz. Higher rates may work with some reduction in fine detail.

CRESTRON CABLE

Crestron recommends using only Crestron certified wire and cable for project installations. If Crestron certified wire and cable is not used and technical on-site support is required to troubleshoot a problem caused by improper wiring, a support charge may be incurred.

Specification for Cresnet network wiring is 2 twisted pair, 1 pair #18AWG (for +24, Gnd) and 1 pair #22AWG (for data Y,Z) with shield.
Specifications for Cresnet HP network wiring is 2 twisted pair, 1 pair #12AWG (for +24, Gnd) and 1 pair #22AWG (for data Y,Z) with shield. Shield should be connected at Power Supply end only.

Note: Cresnet cable is a Low-Voltage rated cable and should never be used for 120 VAC.

- CONTROL
- VIDEO
- AUDIO
- RGB
- CRESNET
- CAT5E
- CRESNET
- LAN
- POWER

Project Title

**CRESTRON
QUICK MEDIA
APPLICATIONS**

Revision	Revision
Project ID	QM APPLICATIONS

Drawing Title

**MPS-200 with
C2N-FT-TPS4**

Drawing No.

Q-MPS200-C2NFTTPS4-1