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TECHNICAL SPECIFICATIONS

SECURITY SYSTEM

DIVISION 16 - ELECTRICAL

SECTION 16770 - CLOSED CIRCUIT TELEVISION (CCTV) SYSTEM

PART 2 – PRODUCTS

2.01 GENERAL

- A. All equipment and materials used shall be standard components that are regularly manufactured and utilized in the manufacturer's system.
- B. All systems and components shall have been thoroughly tested and proven in actual use.
- C. All systems and components shall be provided with the availability of a toll-free (U.S. and Canada) technical support number from the manufacturer. The number shall provide technical assistance for either the dealer/installer or the end user at no charge for as long as the product is installed.

2.02 Power-Video-Data 4 Channel Cable Integrator

- A. Shall be equipped with one RJ-45 connector for connecting power, video and data to and from a power-video-data transceiver at each camera, for up to four cameras.
- B. Shall be compatible with a power-video-data transceiver at each camera. Pinouts shall be:
  - Pin 1: + Video
  - Pin 2: - Video
  - Pin 3: + Data
  - Pin 4: - Power
  - Pin 5: + Power
  - Pin 6: - Data
  - Pin 7: + Power
  - Pin 8: - Power
- C. Shall be compatible with any third-party multi-channel Class 2 power supply to power cameras via UTP.
- D. Shall be used as a cable management solution from the camera to the Wiring Closet and on to the Control Room
- E. Shall deliver up to four video signals to an RJ-45 jack for delivery via 4-pair UTP wire to the control room. Pinouts shall be:
  - Pin 1: + Video 1
  - Pin 2: - Video 1
  - Pin 3: + Video 2
  - Pin 4: - Video 3
  - Pin 5: + Video 3
  - Pin 6: - Video 2
  - Pin 7: + Video 4
  - Pin 8: - Video 4

- F. Shall deliver Pan/Tilt/Zoom telemetry signals to an RJ-45 jack for delivery via UTP wire to the control room.
  - Pin 1: + Data
  - Pin 2: - Data
- G. Shall be capable of utilizing 24-16 AWG (solid or stranded) wire and shall have screw terminals for input connection of low voltage power current.
- H. The Cable Integrator shall be capable of utilizing Category 2 or better UTP without compromising interference immunity or transmission distances.
- I. The Cable Integrator shall have a weight of 0.6lb (0.32kg).
- J. The Cable Integrator shall have dimensions 7.3 x 2.35 x 1.65in (184 x 60 x 41mm).
- K. The Cable Integrator shall have two 0.175in (4,4mm) diameter holes spaced 6.75in (171,5mm) apart for the purpose of surface or rack mounting.
- L. The Cable Integrator shall be UL and cUL listed.
- M. The Cable Integrator shall be CE compliant.
- N. The Cable Integrator shall be provided with a limited lifetime warranty.
- O. The Power-Video-Data 4-Channel Cable Integrator, shall be the NVT:
  - a. NV-704J-PVD or
  - b. Approved equal