Cat5e-Equivalent Traveling Cables

High Speed Ethernet in Elevators made possible by Prysmian

PHOENIX CAT5e-EMULATION MODULE

Prysmian delivers on the performance and application flexibility of Cat5e UTP with traveling data cables that meet NEC and ANSI standards.

Traditional Cat5e UTP cannot be used in a North American traveling cable due to the size of its solid copper conductor. However, Prysmian created specially-insulated 20 AWG stranded and shielded tinned copper conductors that provide Cat5e performance. These conductors can be built into certain cables and are terminated at each end with a Phoenix module that interfaces with a standard RJ-45 jack.

These unique conductors transmit up to 1 Gb/s signals over 328 ft • 100 meters, delivering Cat5e performance for a host of Ethernet devices such as video boards, cameras and emergency phones that can be quickly connected with standard RJ-45 jacks. Because of the shielding over the individual pairs, performance of up to 1 Gb/s is achieved.

Compact Phoenix modules (see picture above) are required at each end of the cable for proper Cat5e termination. These cables may be purchased cut-to-length, or with modules already attached at one or both ends.

These conductors are available in a stand-alone cable or can be engineered into a custom traveling cable that meets your needs.

APPROVALS

NEC Type ETT standards and meets ANSI/TIA/EIA-568-B performance criteria

FEATURES

- Emulates a 1 Gb/s Cat5e cable in connectivity and performance
- Built to stand the constant travel and flexing found in elevators
- Phoenix connectors at each end adapt to standard RJ-45 jacks for connection to any IP device
- Power over Ethernet (PoE) can be accommodated
- Ideal for low- to mid-rise buildings in new installations or modernization projects

CAT5e CONNECTORIZATION HARDWARE

Part Number	Description
ELPVCAT5E-1-END	Connectorization Kit – cable connectorized at one end, an additional Phoenix module, double-sided tape, installation instructions
ELKCAT5E-KIT	For field installation – includes 2 Phoenix modules, double-sided tape, installation instructions

Please specify the part number of the Cat5e-equivalent travel cable you would like connectorized

CAT5e PERFORMANCE

Specification	Performance
Transmission Speeds	100BASE-TX (100 mb/s) 1000BASE-T (1000 mb/s)
Operating Temperature	+14° to +140° F • -10° to +60° C
Signal Protection	Individual pair shields protect against signal loss and crosstalk
Operating Distance*	Tested/verified to TIA/EIA-568-B standard length of 328 ft • 100 m
Standards	Meets the performance criteria of ANSI/TIA/EIA-568 Category 5e

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