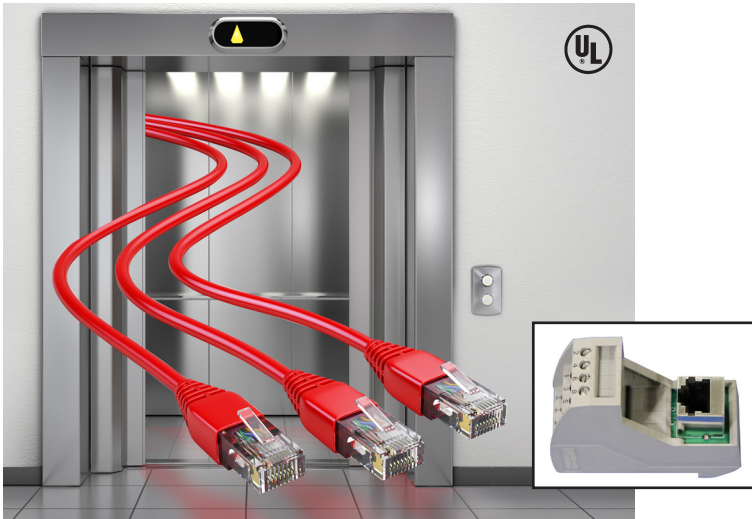A brand of the

Prysmian Group

Unique Cat5e-Equivalent Traveling Cable Allows High Speed Ethernet in Elevators

Draka delivers on the performance and application flexibility of Cat5e UTP with a traveling data cable that meets 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, Draka created specially-insulated 20 AWG stranded and shielded tinned copper conductors that provide Cat5e performance. These conductors are built into the cable and are terminated at each end with a Phoenix module that interfaces with a standard RJ-45 jack.

This unique cable transmits up to 1 Gb/s signals over 328 ft • 100 meters, delivering the 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. And, because of the shielding over the individual pairs, up to 1 Gb/s performance is achieved.

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

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

Part Number	Description
18-020-99	6x20 AWG shielded pair + 4x20 C5e AWG shielded pair cable to deliver high-speed Ethernet to the cab
2900701	Phoenix module for RJ-45 jack interface – two required per installation
35-080	Installation instructions
CAT5E-1-END	Connectorization Kit – includes 18-020-99 cut-to-length, connectorized at one end, an additional 2900701 module, double-sided tape, installation instructions (35-080)
CAT5E-2-END	Connectorization Kit – includes 18-020-99 cut-to-length, connectorized at both ends, double-sided tape, installation instructions (35-080)
CAT5E-KIT	Phoenix module kit – includes 2 Phoenix modules (2900701), double-sided tape, installation instructions (35-080)

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