draka EHC
A Prysmian Brand

Cat6a in traveling cable? You heard it here first.

DrakaEHC, a Prysmian brand, leads the way in elevator communication technology with UL-approved Cat6a in round and flat traveling cable.

ENHANCED PERFORMANCE

- Higher speed (up to 10 Gb/S)
- Higher bandwidth for better data transmission
- Reduced latency for real-time communication

IMPROVED RELIABILITY

- Shielding for reduced EMI
- Improved cross talk performance
- Durable, flexible construction
- Stable performance

STANDARDIZED SOLUTION

- TIA/EIA Telecommunications Standards compliant
- Compatible with existing network cables and connectors

AVAILABLE IN STANDARD AND CUSTOM CONSTRUCTIONS

Scan for more about DrakaEHC

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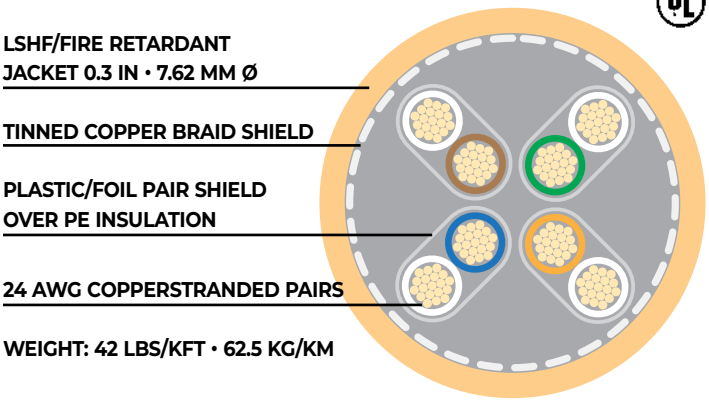
DrakaEHC, a Prysmian brand
2151 N. Church Street | Rocky Mount, NC 27804 | +1 877 372 5237
DrakaEHC.com | na.prysmian.com

10 Gb/s Cat6a Traveling Cables

The fastest ethernet for elevators - 10x faster than Cat5e



DrakaEHC, a Prysmian brand, now offers performance and application flexibility of Cat6a with traveling data cables that meet NEC and ANSI standards.

Our new Cat6a traveling cable complies with the latest National Electrical Code revision that reduces the minimum traveling cable conductor size to 24AWG for certain communications circuits.

These Cat6a cables can be terminated with standard RJ-45 jacks and plugs for direct connection to Ethernet networks to support a host of devices such as video boards, cameras, and emergency phones. Cat6a performance is available in round and flat traveling cable configurations

APPROVALS

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

UL approved

Cat6a ELECTRICAL PROPERTIES

Specification	Property
DC loop resistance	≤ 48 Ω/kft
Resistance unbalance	≤ 2%
Insulation resistance (500 V)	≥ 1500 MΩ/kft
Capacitance	Nom. 13.1 nF/kft @ at 800 Hz
Capacitance unbalance (pair to ground)	≤ 366 pF/kft
Fitted impedance	100 ± 5 Ω @ 100 MHz
Nominal velocity of propagation (NVP)	75%
Delay skew	≤ 7.6 nsec/100 ft
Transfer impedance	≤ 3 mΩ /ft @ 1 MHz
	≤ 4.6 mΩ /ft @ 10 MHz
	≤ 9.1 mΩ /ft @ 30 MHz

Cat6a PERFORMANCE...			COMPARED TO Cat5e
Specification	Cat6a Performance	Performance Improvement	Cat5e Performance
Transmission Speeds	**10GBASE-T (10 Gb/s)**	**10x greater**	100BASE-TX (100 mb/s) and 1000BASE-TX (1000 mb/s)
Bandwidth	**500 MHz**	**5x greater**	100 MHz
Operating Temperature	**-4° to +158°F • -20° to +70°C**	**36°F • 20°C operaring range**	+14° to +140°F • -10° to +60°C
Signal Protection	Individual pair shields protect against signal loss and crosstalk		Same
Operating Distance*	Tested/verified to TIA/EIA-568-B standard length of 328 ft • 100 m		Same
Standards	Meets the performance criteria of ANSI/TIA/EIA-568 Category 6a*		Meets the performance criteria of ANSI/TIA/EIA-568 Category 5e

**based on 100m standard*

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Cat6a cable NAEC 080925