

NKE6A-E6E6*

Rugged CAT6A cable with retractable shell and TRUE1 locking mechanism

The etherCON® TRUE1 cable was developed for professional Ethernet connections in harsh mechanical and environmental conditions. It combines a rugged TRUE1 housing design with high data performance, Power-over-Ethernet capability, and secure locking for both mobile and fixed installations.

The retractable front housing, internal locking mechanism, integrated strain relief, and optional color coding support fast, secure, and service-friendly handling. At the same time, the platform provides a shielded and durable solution for demanding network and AV environments.

Features and Benefits

- CAT6A assembled cable connector or connector components incl. RJ45 for professional Ethernet applications
- Up to 10 Gbit/s
- PoE++
- Retractable front shell – all parts stay on the cable
- Internal locking for high mechanical robustness
- TRUE OUTDOOR PROTECTION with IP65 / IP66 / IP67
- Optional Replaceable Sealing Cap
- UV-resistant materials

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- ✓ Optional color coding rings

Ordering Information

Article name	Type
NKE6A-E6E6-M0075	etherCON TRUE 1 10G cable assembly 0,75m
NKE6A-E6E6-M00120	etherCON TRUE 1 10G cable assembly 1,20m

Technical Information

Product	
Title	NKE6A-E6E6-M00075 (75 cm length) NKE6A-E6E6-M00120 (120 cm length)
Product family	etherCON®
Connection type	RJ45
Gender	male

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Electrical	
Data rate	10 Gbit/s
Component performance, ISO/IEC 11801-1	CAT6A
Component performance, ISO/IEC 11801-1	CAT6A
Channel performance, ISO/IEC 11801-1	Class Ea
Channel performance, ANSI/TIA-568.2-D	CAT6A
Power over Ethernet	100 W, PoE type 4 class 8 in acc. IEEE 802.3bt
Frequency range	1-500 MHz
Contact resistance	< 20 mΩ
Dielectric strength	1 kV DC
Insulation resistance	> 0,5 GΩ
Rated voltage	≤ 57 V

Mechanical	
Lock retention force	> 250 N
Lifetime	1000 mating cycles
Airtightness, unmated, open sealing cap	< 100 Pa @ 1 min +20 kPa; < 10 % @ 1 min ±50 kPa
Strain relief	> 120 N
Insertion force	< 50 N
Withdrawal force	< 50 N

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Material	
Contact coating	Gold
Contact	Bronze (CuSn)
Housing	Zinc diecast (ZnAl4Cu1)
Housing coating	Nickel
Sealing rings	Thermoplastic elastomer (TPE)
Sealing cap (optional)	EPDM
Clamping Sleeve	Polyamid 66 (PA66)
Fixation	Polyketon (PK)
Soft Housing	Polyamid (PA)

Environmental	
Flammability	V0 (excluding cables)
UV / ozone resistance	F1
Operating temperature	-30 °C to +80 °C
REACH	compliant
RoHS	compliant

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