



We provide our customers with exceptional **PRODUCTS** in accordance with the highest international standards and also provide **SERVICES** that meets our customers' needs or exceed their expectations.

Powered by: **PROLINK**

Description

ProLink CAT6 UTP 1G keystone jack rotating, Tool-less Connection Module

CAT.6 UTP Rotating Tool-less Connection Module

Performance:

- Real Category 6 hardware performance.
- Significantly exceeds Category 6/CLASS E link performance requirements.



Tool-less jack:

- Easy and quick to install.
- Fast reliable connection in record time; all 8 copper conductors are effortlessly terminated in a single operation.
- Quality of connection by design; independent of tool condition or operator skill, just listen for the click.
- Consistent results. The length of untwisted pairs and the length between the end of the conductor and the IDC contacts are always kept to a minimum, by design.

Reusable:

- If a wiring mistake is made there is no need to use a new jack.
- Just open and terminate.
- No delay waiting for another delivery.

Mechanical Data

Number of RJ45 jacks	1
Number of signal contacts	8/jack
Operating temperature range	-10°C to 60°C
Storage temperature range	-40°C to 70°C
Humidity	95% (non-condensing)
Contact material	CuSn
Contact area plating	1.2 µm gold over nickel
IDC* plating	Tin-plated
Cutting blade material	Stainless steel
Housing material	Polycarbonate (UL-94-V0)
Admissible wire Ø	0.4 mm (AWG26) – 0.65 mm (AWG22)
Admissible strand Ø	AWG26/7 – AWG22/7
Admissible insulation Ø	0.8 mm – 1.6 mm
Cable diameter	10 mm maximum
Cable strain relief	Through cable tie

Description	Standard value	Relevant Standard	Typical value (at 20°C)
Mating cycles min.	> 750	ISO/IEC 11801 2nd Ed.	> 1000
Re-terminations**	> 20	ISO/IEC 11801 2nd Ed. >	> 20

Electrical Data

Description	Standard value	Relevant Standard	Typical value (at 20°C)
Contacts	1000 V DC or AC peak	IEC 60603-7-41	> 1000 V _{eu}
Insulation resistance	> 250 M (100 V DC)	IEC 60603-7-41	> 5 MK (100 V DC)
Contact resistance	< 200 m	IEC 60603-7-41	< 5 mK
I/O resistance	< 200 m	IEC 60603-7-41	60 mK
I/O resistance unbalance	< 50 m	IEC 60603-7-41	30 mK
Current carrying capacity	1 Amp @ 60°C	IEC 60603-7-41	Pass

Frequency (MHz)	Insertion Loss (20°C)	Return Loss (20°C) [dB]	NEXT (20°C) [dB] all pair combinations	TCL (20°C) [dB]	PS ANEXT (20°C) [dB]
1	> -0.05	-48.3	-97.3	-84.4	-81.2
10	> -0.05	-46.1	-80.0	-66.1	-81.1
31	> -0.05	-42.6	-69.5	-56.6	-81.2
100	> -0.05	-32.6	-59.5	-47.3	-80.5
175	> -0.05	-27.2	-54.1	-42.7	-76.1
250	-0.08	-23.6	-49.8	-40.1	-72.8
400	-0.23	-19.7	-41.6	-35.6	-69.5
500	-0.42	-17.6	-37.3	-33.5	-66.9