

# Module KU Plus 1/8, Cat. 6<sub>A</sub> (IEC)

RJ45 module, unshielded, Cat.6<sub>A</sub>



RJ45 modules KU Plus 1/8 Cat. 6<sub>A</sub> (IEC), unshielded

## DESCRIPTION

Housing made of high-impact resistant, flame retardant compound, UL94V-0 rated, with Keystone mounting clip.

Contact spring with phosphor bronze alloy, plated with gold.

IDC made of phosphor bronze alloy.

Comes with removable dust shutter in the same colour as the front end of the module (other colours available as accessories sets).

### Information:

Suitable for the same faceplates and surface mount boxes as Datwyler's shielded Keystone modules (KS-T).

For cable termination a punch down tool is needed (IDC termination tool 110, for example).

## APPLICATION

For the transmission of digital and analogue voice, video and data signals. The module KU Plus is specified up to 500 MHz in compliance with the component standard IEC 60603-7-41.

Suitable for all Class E<sub>A</sub> applications in accordance with ISO/IEC 11801, EN 50173-1 and TIA/EIA 568-C.2:2009. Enables acceptance testing with high spare capacity at the limit values stipulated for Class E<sub>A</sub> Permanent Links when combined with unshielded Category 6<sub>A</sub> data cables.

Therefore it is applicable for 10-gigabit Ethernet transmissions in accordance with IEEE 802.3.

Useable for Power over Ethernet Plus (PoE+) corresponding to IEEE 802.3at.

## MECHANICAL PROPERTIES

Solid copper wire:	0.40 mm (AWG26) to 0.65 mm (AWG22)
	Re-connection: for AWG22, AWG23 and AWG24 when using the same or bigger wire diameter
Stranded copper wire:	AWG26 (with 7 bare stranded wires), re-usable once
Diameter over insulation:	0.70 mm to 1.40 mm
Temperature range	storing: - 40° C to + 70° C
	during installation: - 10° C to + 60° C
	in operation: - 20° C to + 60° C

## GENERAL PROPERTIES

Termination:	Wire management with colour coding in accordance with T568-A and B, clearly marked on the IDC Module
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## STANDARDS

Standards	IEC 60603-7-41 (Cat 6 <sub>A</sub> unshielded, 500 MHz)
	ISO/IEC 11801:2002/ Amd.2:2010
	EN 50173-1:2011
	TIA/EIA 568-C.2:2009
	IEC 60512-99-001:2012

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Cat./Class

Cat.6<sub>A</sub> / Class E<sub>A</sub>

## VERSIONS

Article Number	Product	Colour	PU
418085	RJ45 keystone module KU Plus Cat 6 <sub>A</sub> 1/8 (IEC), unshielded, with dust cover	white	10 pcs.
418086	RJ45 keystone module KU Plus Cat 6 <sub>A</sub> 1/8 (IEC), unshielded, with dust cover	black	10 pcs.
185896	IDC termination tool 110		1 pc.
418062	Dust shutters for modules KS-T Cat.6/E <sub>A</sub> and KS-T Plus Cat.6 <sub>A</sub> (1 set = 10 pcs.)	white	1 set
418063	Dust shutters for modules KS-T Cat.6/E <sub>A</sub> and KS-T Plus Cat.6 <sub>A</sub> (1 set = 10 pcs.)	black	1 set
418064	Dust shutters for modules KS-T Cat.6/E <sub>A</sub> and KS-T Plus Cat.6 <sub>A</sub> (1 set = 10 pcs.)	yellow	1 set
418065	Dust shutters for modules KS-T Cat.6/E <sub>A</sub> and KS-T Plus Cat.6 <sub>A</sub> (1 set = 10 pcs.)	blue	1 set
418066	Dust shutters for modules KS-T Cat.6/E <sub>A</sub> and KS-T Plus Cat.6 <sub>A</sub> (1 set = 10 pcs.)	green	1 set
418067	Dust shutters for modules KS-T Cat.6/E <sub>A</sub> and KS-T Plus Cat.6 <sub>A</sub> (1 set = 10 pcs.)	red	1 set