

TrueNet®

Right Angle Category 6_A Unshielded Jack



The TrueNet® Category 6_A solution supports 10 Gigabit Ethernet over unshielded copper to a full 100 metres up to 500MHz.

The Right Angle (RA) Jack is an integral component of the end-to-end Category 6_A solution. The RA Jack can be used in a range of accessories from floor boxes to patch panels and outlets, offering complete flexibility depending upon the installation requirements.

The RA Jack has a small form factor (SFF) design that significantly improves usability and therefore delivers managed density at the outlet and patching field. This SFF design has been achieved through advances in technology including reducing the size of the LSA-PLUS® silver plated IDC contacts. In addition to the reliable gas tight wire termination the smaller IDC's also deliver significant improvements to the internal and external electrical performance.

As with all TrueNet® products, the RA Jack comes complete with third party verification of compliance. ADC KRONE is committed to independent verification of its channels, links and components to the latest standards. Through this ADC KRONE can be confident that even in the worse case scenarios, links and channels will comply and perform as required.

Features

- Supports 10 Gigabit Ethernet over unshielded copper to a full 100m up to 500MHz
- Exceeds requirements of ISO/IEC 11801:2002 amendment 2 (draft), TIA-568-B.2-10, EN 50173-1:2007
- Small form factor enables high port densities at the cross connect and work area
- Category 6_A delivers increased bandwidth to support latent intolerant applications
- LSA-PLUS® silver plated IDC contact
- Complete with independent certification
- Compatible with a range of faceplates and adaptors

Benefits

- High port density delivers reduced port cost
- Quality of Service (QoS) is maintained
- Strong, reliable connections - fit and forget
- Independent verification gives peace of mind to the Network Manager
- Covered by the TrueNet system warranty*

TECHNICAL DATA



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Ordering Information

Description	Catalogue number
Modular Jack, Right Angle Category 6 _A UTP Black (24)	6830 1 985-04
Modular Jack, Right Angle Category 6 _A UTP White (24)	6830 1 985-01
TrueNet® Tool and Punchdown Pad	6537 1 600-00
TrueNet® Tool**	6537 1 500-00
Punchdown Pad***	6537 1 610-00

** REQUIRED FOR TERMINATION OF RA JACK

*** Aid recommended for termination

Technical Specifications

Electrical Data

Insulation resistance at 40°C and 93% RH	≥500MΩ
Operating temperature range	-40° to 70°C
RJ socket, 8 positions	FCC Part (IEC 603-7)
Number of plug insertions:	≥750 (IEC/EN 60603-7)
Diameter range for solid and stranded copper conductors	22-24AWG 0.50mm to 0.65mm
Wire insulation diameter range	1.04mm to 1.60mm
Contact resistance	≤1 mΩ typical
Contact re-terminations	≥200
Safety rating	UL 1863
Flammability rating	UL 94 V-0

Testing Requirements

Category 6 _A	ISO/IEC 11801:2002 Amendment 1 (channel)
	ISO/IEC 11801:2002 Amendment 2 (draft, permanent link and components)
	TIA-568-B.2-10 (Channel, permanent link and components)
	EN 50173-1:2007

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*Terms & conditions apply



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