

TrueNet®

Category 6_A HighBand® 12-way Kit

Issue 1



Colour coded for ease of installation, the HighBand module allows for termination of 4-pair UTP cables. HighBand technology enables the highest performing Category 6A modules in the world with transmission performance headroom far exceeding all local and international standards.

The rear cable manager provides cable management for incoming cables and makes installation easier. Incoming cables are held in place by built-in clips that direct the cable to the point of termination. Each cable is secured firmly preventing the need for additional cable or Velcro ties.

The label holder clips into position on the face of each module, providing a secure fit and allows patching and jumpering to take place whilst it is fitted.

The 12-way wall mount frame is made from high-grade stainless steel, providing strength and superior corrosion resistance. Extra depth and width has been provided to allow for Category 6 bend radius requirements. Velcro tie off points have been included to ensure tidy installation practices and ease of cable routing.

Features:

- Each module will accommodate 5 x 4-pair UTP Category 6_A cables
- 45° silver-plated IDCs provide secure, reliable gas-tight connections
- Modules are terminated with the standard ADC KRONE termination tools 6089 2 003-00 or 6417 2 055-01, and may also be terminated with a 110 tool
- 4-pair to 4-pair patch cords are available for Patch-by-Exception installations
- 4-pair to RJ45 cords are available to interface with network and other equipment

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Specifications

Mechanical:

Wire Range for solid and stranded copper conductors: 0.4mm to 0.65mm (26 to 22 AWG)*
 Wire insulation diameter range (PE,PVC): 0.7mm to 1.4mm
 Number of wire terminations: ≥200
 Wire insertion force (0.5mm conductor dia): 6N
 Wire pull out force, radial (0.5mm conductor dia): ≥5N
 Wire pull out force, axial (0.5mm conductor dia): ≥35N
 Number of patching cycles: 750

*Should there be a requirement to terminate cables other than 10 Gigabit cable, a maximum of 2 equal diameter solid conductors only, of up to 0.5mm conductor diameter can be terminated per slot. Only 1 conductor of stranded wires per slot can be terminated. If any conductors >0.5mm diameter have been terminated, reversal to smaller conductors is no longer possible.

Electrical:

Transmission, performance and reliability: TIA-568.B.2-10 component compliance
 10Gigabit ISO/IEC 11801 ed.2.1
 extrapolated component
 Meets requirements of IEEE 802.3an
 AS/NZS 3080:2002 Class E
 Voltage/current rating at 25°C ambient: 150 VAC at 2.5A max
 Insulation resistance: ≥50,000 MΩ at 500 VDC

Environmental and safety:

Safety Compliance: UL 1863
 Flammability rating of plastic housing: UL 94 V-0
 Environment for use: Indoors or in dry enclosure rated IP54 or greater

Ordering Information

Description	Quantity	Product No.
Category 6A HighBand 12-way Kit Consists of (1) wall mount frame, (12) 20-pair HighBand Category 6A modules including rear cable manager, and (12) label holders	1 Kit	6450 1 107-01
Category 6A HighBand Module Kit Consists of (12) 20-pair HighBand Category 6A modules including rear cable manager, and (12) label holders	1 Kit	6468 5 700-10

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www.adckrone.com/au

AUSTRALIA 2 Hereford Street, Berkeley Vale NSW 2261
 Mailing Address: PO Box 335, Wyong NSW 2259, Australia
 Sales Support: 1800 801 298

www.adckrone.com/nz

NEW ZEALAND 2 Nevis Street, Petone, Wellington
 Mailing Address: PO Box 38-177, Wellington Mail Centre 6008, New Zealand
 Sales Support: 0800 657 663

ADC Telecommunications, Inc., P.O. Box 1101, Minneapolis, Minnesota USA 55440-1101

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