



Category 6_A 8-pair HighBand® Module

Used to terminate two 4-pair cables, Category 6_A High Band modules provide the highest performing method of cross-connect of any product on the market.

Features:

- High speed data and voice transmission module
- Suitable for direct termination of 100Ω twisted pair plastic insulated copper wires to KRONE LSA-PLUS® insulation displacement connectors. Exceeds TIA/EIA Category 6A requirements
- The upper shell is moulded in PBT
- The lower shell is moulded in PC
- The internal shield is manufactured from tin plated mild steel
- The module is designed for mounting on either a Profil or Backmount Frame
- Modules are terminated with either the standard KRONE Connection Tool (6089 2 003-00), or the KRONE Connection Tool with Sensor (6417 2 055-01). Module may also be terminated with a 110 tool.

Specifications

Environment for use:	Indoors or in dry enclosure rated IP54 or greater.
Operating temperature range:	-20°C to +80°C
Maximum relative humidity:	≤93% non-condensing
Wire range for solid & stranded copper conductors:	0.4-0.65 (26-22 AWG)*

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

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Wire insulation diameter range (PE, PVC):	Typically 0.7-1.4
Number of wire reterminations:	Up to 200
Wire insertion force (0.5 conductor diameter):	6N
Wire pull out force, radial (0.5 conductor diameter):	5N
Wire pull out force, axial (0.5 conductor diameter):	35N
Number of patching cycles, Modules:	Up to 750
Patch plugs:	Up to 200
Transmission & reliability:	≥TIA/EIA 568-B.2-10 Category 6A ≥ISO/IEC 11801 Class F
Change of contact interface resistance after reliability testing:	<5mΩ
Typical to ISO/IEC 11801 and TIA/EIA568B per through connection. ie. 2 insulation displacement and 1 disconnection contact joint:	
Voltage/current rating at 25°C ambient:	≤150VAC at 2.5Amax.
Dielectric strength:	≤1.5kV AC
Surge voltage strength (1.2/50 msec wave shape):	≤2.5kV
Surge current strength (8/20 msec wave shape) Modules:	≤3kA
Patch plugs:	≤0.5kA
Insulation resistance:	≤50,000 M at 500 VDC
Safety:	UL 1863
Flammability rating of plastic housing:	UL 94 V-0
ACMA compliant	
RoHS compliant to the European Union Directive 2002/95/EC	

Ordering Information

Description	Quantity	Product No.
Category 6 _A 8-pair Module	Box of 10	6468 5 070-00



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