TrueNet ®

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Superior high speed data and voice cross connect modules that far exceed Category 6 component standards. The Ultim8 is an 8 pair disconnect module to enable high speed LAN and WAN systems maximum headroom beyond Category 6, Class E transmission performances.

Specifically developed LSA-PLUS® insulation displacement disconnection cross connects for very high bit rate data transmission over unshielded twisted pair copper cables in internal horizontal wiring systems of local area networks.

These modules can be used in a fully patched configuration or jumpered utilising the patch by exception concept.

Features:

- The contacts are silver plated and made from special spring copper alloy.
- The module shells are moulded from ductile PBT plastic featuring very high chemical resistance.
- All modules are mountable on standard KRONE Profil® mounting frames and backmount frames.
- The modules are terminated with the standard KRONE termination tools 6089 2 003-00 or 6417 2 055-01.
- Product is sold as a set of 10.
- A range of accessories is available for single and multi-pair patching, labeling, numbering and disconnecting.

Specifications

Mechanical:

Environment for use: ……..Indoors or in dry enclosure rated IP54 or greater

Operating temperature range:……..- 20° to + 80°C

Maximum relative humidity:……..≤ 93% non-condensing
Wire range for solid and stranded copper conductors 0.4-0.65 (26-22 AWG)*

* 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.

Wire insulation diameter range (PE, PVC)……0.7–1.4mm
Number of wire terminations:……typically ≥ 200
Wire insertion force (0.5, conductor dia):……..typically 6N
Wire pull out force, radial (0.5, conductor dia):……typically ≥ 5N
Wire pull out force, axial (0.5, conductor dia):……typically ≥ 35N
Number of patching cycles, Modules:……typically ≥ 750
Patch plugs: ……..……typically ≥ 200

Electrical:

Transmission and reliability:……..exceeds ISO/IEC 11801 Cat. 6 Class E Standard
Change of contact interface resistance after reliability testing
to EIA568A and ISO/IEC 11801 per through connection.
i.e 2 insulation displacement and 1 disconnection contact joints:……..typically < 5mΩ
Voltage/current rating at 25°C ambient:……≤ 150VAC at 2.5A max.
Dielectric strength:……≥ 1.5kVAC
Surge voltage strength (1.2/50 µsec wave shape):……≥ 2.5kV
Surge current strength (8/20 µsec wave shape) Modules:……..≥ 3kA
Patch plugs:……...≥ 0.5kA
Insulation resistance……...≥ 5x10^4 MΩ at 500 VDC
Safety:……..UL 1863
Flammability rating of plastic housing:……..UL 94 VO

Ordering Information

Description	Quantity	Colour	Product No.
Ultim8™ Disconnection Module, 8 Pair	Box of 10	White	6468 5 060-06

SPEC SHEET

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