TrueNet®

CopperTen® Termination Block

The 20-pair TrueNet® CopperTen® termination block is designed to suit five incoming and five outgoing four-pair Category 6a cables. Each IDC slot is color-coded to allow for accurate termination of each of the four pairs. The CopperTen termination block utilizes a disconnect feature making it ideal for Patch-by-Exception installations and can also be patched as a traditional cross-connect. The cable manager at the rear of the module ensures that cables are held in place securely without the need for Velcro ties.

Features:

- Transmission performance to TIA-568.B.2-10 component compliance as well as 10 Gigabit
- ISO/IEC 11801 ed.2.1 extrapolated component
- Color-coded for ease of termination
- Each module will accommodate five four-pair UTP CopperTen cables
- 45-degree silver-plated IDCs provide secure, reliable gas-tight connections
- Blocks can be terminated with standard termination tool or with a 110 tool
- Four-pair to four-pair patch cords are available for Patch-by-Exception installations
- Four-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:	0.4 mm to 0.65 mm (26 to 22 AWG)*
Wire insulation diameter range (PE, PVC):	0.7 mm to 1.4 mm
Number of wire terminations:	> 100
Wire insertion force (0.5 mm conductor diameter):	6 N
Wire pull out force, radial (0.5 mm conductor diameter):	5 N
Wire pull out force, axial (0.5 mm conductor diameter):	35 N
Number of patching cycles:	Modules: up to 750 Patch Plugs: up to 200

ELECTRICAL

Transmission, performance and reliability:	TIA-568.B.2-10 standards
Voltage/current rating at 25 °C (77 °F) ambient:	150 VAC at 2.5A max
Insulation resistance:	> 50,000 M at 500 VDC

ENVIRONMENTAL AND SAFETY

Safety compliance:	UL 1863
Flammability rating of plastic housing:	UL 94-VO
Environment for use:	Indoors or in dry enclosure

*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 0.5 mm conductor diameter can be terminated per slot. Only 1 conductor of stranded wires per slot can be terminated. If any conductors >0.5 mm diameter have been terminated, reversal to smaller conductors is no longer possible.

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Ordering Information

Description			Catalog Number
Back mount frame 12 way kit 1 x Stainless steel 12 way mounting frame 12 x CopperTen blocks each capable of terminating 5 x CopperTen cables 12 x Rear cable managers: 1 for each CopperTen block 12 x Label holders			6450 1 107-00
Management kit 2 x Patch cord dual cable management rings 1 x Dual patch cord cover			6450 1 103-00
Patch cord	**Size**	**Color**	**Catalog Number**
4-pair to 4-pair	1.2 m (4 ft)	Blue	6451 2 401-10
4-pair to 4-pair	2.1 m (7 ft)	Blue	6451 2 401-20
4-pair to 4-pair	3.0 m (10 ft)	Blue	6451 2 401-30
4-pair to 4-pair	4.5 m (15 ft)	Blue	6451 2 401-40
4-pair to RJ45	1.2 m (4 ft)	Blue	6451 2 400-10
4-pair to RJ45	2.1 m (7 ft)	Blue	6451 2 400-20
4-pair to RJ45	3.0 m (10 ft)	Blue	6451 2 400-30
4-pair to RJ45	4.5 m (15 ft)	Blue	6451 2 400-40

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Fax: +1-952-917-3237 • For a listing of ADC's global sales office locations, please refer to our website.

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