



6

LAN Connectivity

Patch Panels

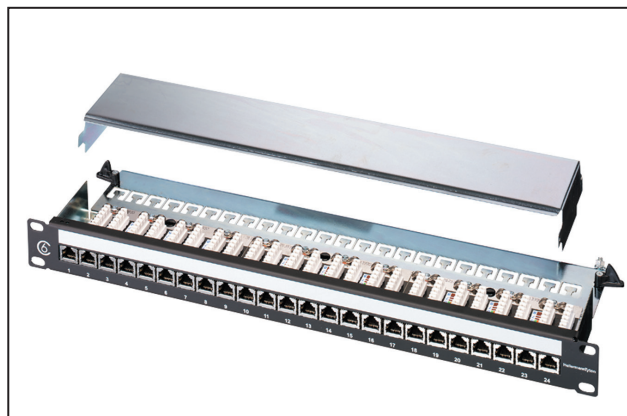
HellermannTyton

EcoBand Category 6 Shielded

1U 24 Port

Application/Product Description

Category 6 EcoBand Shielded Patch Panels are designed to support Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet), 155 Mb/s ATM, Token Ring 4/16, voice/data systems and Voice over Internet Protocol (VoIP) systems running over a Category 6 cabling system and is backwards compatible with existing Category 5e, Category 5 and voice network infrastructures.



EcoBand Category 6 Patch Panels

Technical Data

Specification	Category 6 Shielded		
Conformance	- ISO 11801:2002 (inc. Amend. A1 & A2) - BS EN 50173 - ANSI/TIA/EIA 568-C.2		
Wiring Specification	568B		
Port Density	1U 24 Port		
Dimensions (mm)	H	W	D
	44.0	483.0	148.0
Panel Weight (g)	1822		
Outlet Style	RJ45		
RJ45 Jack Life	Minimum Insertions 1000		
Punch Down Blocks	Vertical IDC		
IDC Life	Minimum 50 re-terminations		
Wire Gauge	22-26 AWG (Maximum of 2 wires per contact).		

Material	
Panel	Mild steel/Galvanised, Black Coated Mild steel
Modular Jack Housing	Polybutylene
Contacts	ABS/Selected Gold Plate

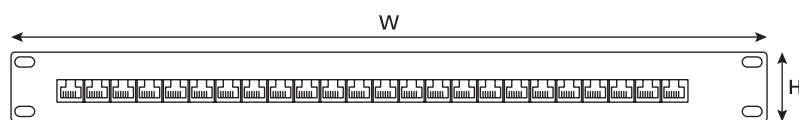
Performance Characteristics

Frequency (MHz)		1	100	250
Insertion Loss	Spec	3.0	18.6	31.1
	Typical	1.4	16.7	27.5
NEXT (dB)	Spec	65.0	41.8	35.3
	Typical	87.2	56.3	49.7
ACR-N (dB)	Spec	62.0	23.3	4.2
	Typical	85.8	39.6	22.2
Return Loss (dB)	Spec	19.1	14.0	10.0
	Typical	25.5	36.9	23.5
PS NEXT (dB)	Spec	62.0	39.3	32.7
	Typical	81.7	50.2	44.2
PS ACR-N (dB)	Spec	59.0	20.7	1.6
	Typical	80.3	33.5	16.6
ACR-F (dB)	Spec	64.2	24.2	16.2
	Typical	82.1	41.7	37.3
PS ACR-F (dB)	Spec	61.2	21.2	13.2
	Typical	77.0	36.7	31.3

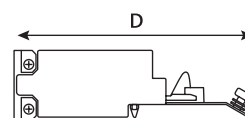
*Typical values are for permanent link tests when using the complete HellermannTyton Data System.

**Technical Diagrams**

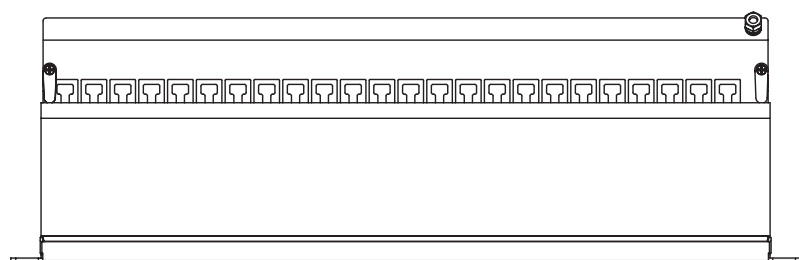
1U 24 Port



Front view



Side view



Top view