



6

LAN Connectivity

Data Outlets

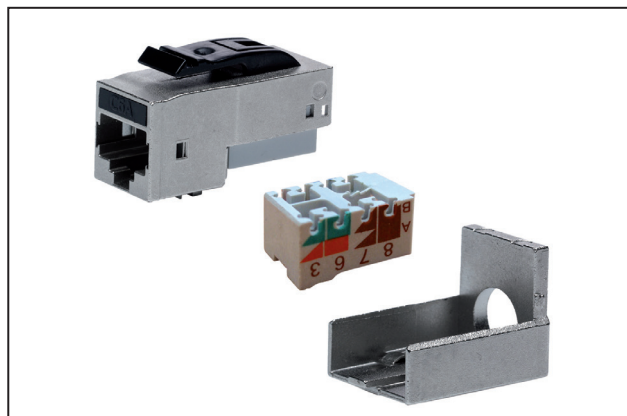
HellermannTyton

Category 6 Shielded

Keystone Jack

Application/Product Description

Category 6 Shielded outlets 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.



Category 6 Keystone Jack

Technical Data

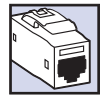
Specification	Category 6		
Conformance	- ISO 11801:2002 (inc. Amend. A1 & A2) - BS EN 50173 - ANSI/TIA/EIA 568-C.2		
Wiring Specification	568A/B		
Dimensions (mm)	H	W	D
	23.0	16.0	36.0
Weight (g)	26		
Outlet Style	RJ45		
RJ45 Jack Life	Minimum Insertions 1000		
Punch Down Blocks	IDC (No punchdown tool required)		
IDC Life	Minimum 50 re-terminations		
Wire Gauge	22-24 AWG (Maximum of 2 wires per contact).		

Material	
Modular Jack Housing	Nickel
Housing Colour	Mill Finish
Contacts	Phosphor Bronze Nickel Plated with Selective Gold

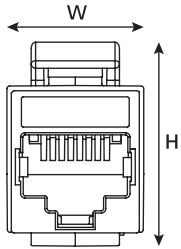
Performance Characteristics

Frequency (MHz)		1	100	250
Insertion Loss	Spec	3.0	18.0	43.8
	Typical	2.3	17.8	41.5
NEXT (dB)	Spec	65.0	41.8	26.7
	Typical	87.0	53.9	40.4
ACR-N (dB)	Spec	62.0	23.9	-17.1
	Typical	84.7	36.1	-1.3
Return Loss (dB)	Spec	19.1	14.0	8.0
	Typical	27.6	32.7	18.8
PS NEXT (dB)	Spec	62.0	39.3	23.8
	Typical	81.1	48.4	34.1
PS ACR-N (dB)	Spec	59.0	21.3	-20.0
	Typical	78.8	30.6	-7.5
ACR-F (dB)	Spec	64.2	24.2	10.2
	Typical	82.9	49.1	32.1
PS ACR-F (dB)	Spec	61.2	21.2	7.2
	Typical	77.1	42.7	25.8

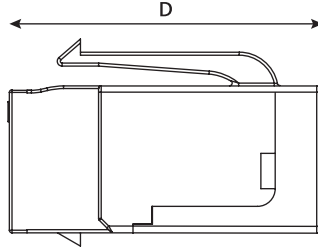
*Typical values are for permanent link tests when using the complete HellermannTyton Data System.



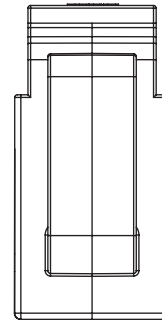
Technical Diagrams



Front view



Side view



Top view