



6

LAN Connectivity

Data Outlets

HellermannTyton

6C Category 6 UTP

Single Outlet

Application/Product Description

6C Category 6 unshielded single 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.



6C Category 6 UTP Single Outlet

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
	39.0	25.0	34.0
Weight (g)	14		
Outlet Style	RJ45		
RJ45 Jack Life	Minimum Insertions 1000		
Punch Down Blocks	IDC		
IDC Life	Minimum 50 re-terminations		
Wire Gauge	22-24 AWG (Maximum of 2 wires per contact).		

Material		
Modular Jack Housing	ABS/Nylon	
Housing Colour	White	Black
Contacts	Phosphor Bronze Nickel Plated with Selective Gold	

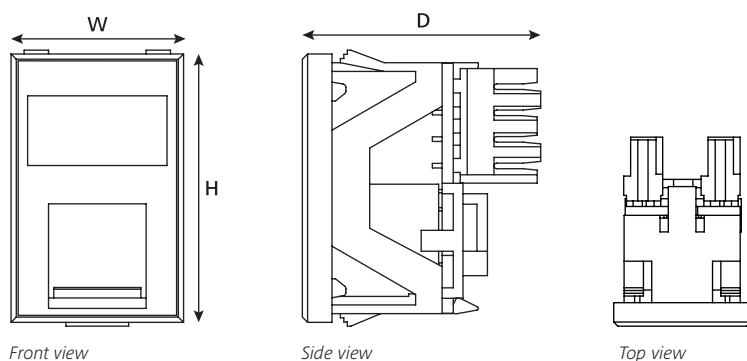
Performance Characteristics

Frequency (MHz)		1	100	250
Insertion Loss	Spec	3.0	18.6	31.1
	Typical	1.7	16.7	27.7
NEXT (dB)	Spec	65.0	41.8	35.3
	Typical	88.2	59.4	47.5
ACR-N (dB)	Spec	62.0	23.3	4.2
	Typical	86.5	42.7	19.8
Return Loss (dB)	Spec	19.1	14.0	10.0
	Typical	30.1	31.8	22.4
PS NEXT (dB)	Spec	62.0	39.3	32.7
	Typical	82.9	53.6	41.5
PS ACR-N (dB)	Spec	59.0	20.7	1.6
	Typical	81.3	36.9	13.7
ACR-F (dB)	Spec	64.2	24.2	16.2
	Typical	80.1	41.1	36.0
PS ACR-F (dB)	Spec	61.2	21.2	13.2
	Typical	75.0	36.2	29.8

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



Technical Diagrams



6C Accessories

6C Blanks



6C Category Half Blanks

Technical Data

Style	Half Blank		
Dimensions (mm)	H	W	D
	38	25	11
Weight (g)	2.8		
Material	ABS		
Colour	White		

Angled Module



6C Category Angled Module

Technical Data

Dimensions (mm)	H	W	D
	38	25	20
Weight (g)	5.7		
Material	ABS		
Colour	White		

Adaptor Module



6C Category Angled Module

Technical Data

Dimensions (mm)	H	W	D
	50.0	50.0	8.0
Weight (g)	3.7		
Material	ABS		
Colour	White		