

RapidNet 12 Port Category 6

Cassette to Split Pod

Application/Product Description

The HellermannTyton Category 6 Cassette to Split Pod is a pre-terminated solution which presents 12 RJ45 ports in one cassette with the loom being terminated with 2 individual 6 port pods containing Alpha Snap RJ45 outlets at the other end.

The Category 6 RapidNet looms are designed and tested to support Primary (Campus), Secondary (Riser) and Tertiary (Horizontal) applications for 10Base-T (Ethernet), 100Base-T(Fast Ethernet), 1000Base-T(Gigabit Ethernet), PoE and PoE+.

When used with HellermannTyton Category 6 patch panels, outlets and patch leads the combined performance exceeds Category 6/Class E link and channel requirements.

RapidNet Category 6 looms are available in lengths from 5m to 90m.



RapidNet 12 Port Category 6 Cassette to Split Pod

Cable Specification

Electrical Characteristics @ 20°C	Specification
DC Loop Resistance	≤165Ω/km
Resistance Unbalance	≤2%
Insulation Resistance (500V)	≥2000MΩxkm
Capacitance at 800Hz	Nom. 43nF/km
Capacitance Unbalance (pair to ground)	≤1500pF/km
Characteristic Impedance (1-100MHz)	(100 ± 15)Ω
Nominal Velocity of Propagation	Approx. 66%
Propagation Delay	Nom. ≤427ns/100m
Delay Skew	Nom. ≤12ns/100m
Test Voltage (DC, 1 min) Core/Core	1000V

Cable and Cassette Standards

Cable

- BS EN 50173
- ISO 11801:2002 (inc. Amend. A1 & A2)
- ANSI/TIA/EIA 568-C.2
- IEC 61156-5
- BS EN 50288-10-1

Cable Sheath

- IEC 60332-1
- IEC 60754-2
- IEC 61034

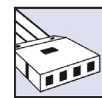
Category 6 Cassette

- ISO 11801:2002 (inc. Amend. A1 & A2)
- BS EN 50173
- ANSI/TIA/EIA 568-C.2

RapidNet Loom Performance Characteristics

Frequency (MHz)		1	100	250
Insertion Loss (dB/100m)	Spec	3.0	18.6	31.1
	Typical	1.5	15.6	25.1
NEXT (dB)	Spec	65.0	41.8	35.3
	Typical	92.5	62.0	47.0
ACR-N (dB)	Spec	62.0	23.3	4.2
	Typical	91.0	46.4	21.9
Return Loss (dB)	Spec	19.1	14.0	10.0
	Typical	26.6	32.7	25.8
PS-NEXT (dB)	Spec	62.0	39.3	32.7
	Typical	86.7	56.7	41.5
PS ACR-N (dB)	Spec	59.0	20.7	1.6
	Typical	85.2	41.1	16.4
ACR-F (dB/100m)	Spec	64.2	24.2	16.2
	Typical	81.9	42.7	35.3
PS ACR-F (dB/100m)	Spec	61.2	21.2	13.2
	Typical	76.4	37.0	30.5

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



Cassette Specification

Port Count	12		
Dimensions (mm)	H	W	D
	41.0	103.0	133.0
Outlet Style	RJ45		
RJ45 Jack Life	Minimum Insertions 1000		

Cassette Materials		Jack Materials	
Cassette Cover	Polycarbonate ABS	Modular Jack Housing	Polycarbonate
Colour	Black	Contacts	Copper Alloy/Selected Gold Plate

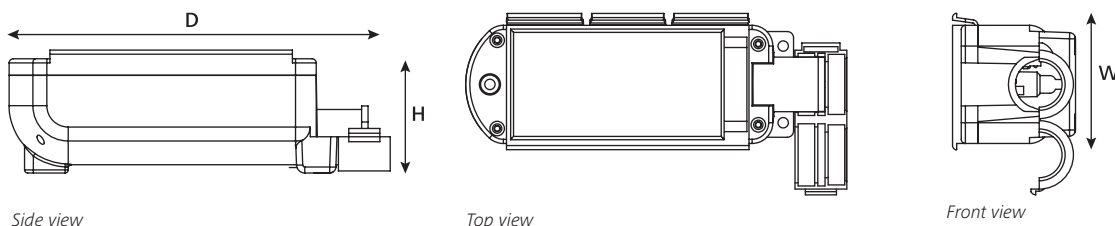
Pod Specification

Port Count	6		
Dimensions (mm)	H	W	D
	59.7	183.9	65.7
Outlet Style	RJ45		
RJ45 Jack Life	Minimum Insertions 1000		

Pod Materials		Jack Materials	
Pod Cover	ABS	Modular Jack Housing	ABS
Colour	White	Contacts	Phosphor Bronze Nickel Plated with Selective Gold

Technical Diagrams

Pod



12 Port

