

Series 805 Mighty Mouse Triple-Start ACME Thread CAT-MASTER™ 10Gbase-T CAT 6 & 7 Plug 805-109 Ordering Information



Series 805



CAT-MASTER™ offers improved signal integrity, reduced crosstalk, and enhanced attenuation performance compared to standard shielded contacts within a size 12 plug.

Unique Design four twin contact inserts in a common ground plane deliver optimized 100 Ohm matched impedance resulting in low crosstalk for high performance applications such as 10+ Gigabit Ethernet, HDMI/DVI video, FibreChannel, eSATA and PCI Express

How To Order					
Sample Part Number		805-109	-1	M	A
Series	805-109 = Plug				
Cable Type (See Table II)	-1 = CAT 6, SF/UTP, 26-23 AWG -2 = CAT 6, U/STP, 26-23 AWG -3 = CAT 7, S/FTP, 26-23 AWG -4 = CAT 7, S/FTP, 26-23 AWG				
Shell Material and Finish	M = Aluminum / Electroless Nickel; RoHS Compliant MT = Aluminum / Nickel-PTFE RoHS Compliant NF = Aluminum / Cadmium with Olive Drab Chromate ZNU = Aluminum / Zinc-Nickel with Black Chromate				
Shell Key Position (See Table I)	A = Normal B = Pos. B C = Pos. C D = Pos. D E = Pos. E F = Pos. F				

NOTES

Performance Specifications

CAT 7 cable: meets electrical transmission requirements per IEC 11801

Characteristic	@ 1 MHz	@ 100 MHz	@ 250 MHz	@ 600 MHz
Min Return Loss (dB)	30	28	20	12.4
Max Insertion Loss (dB)	0.10	0.20	0.32	0.49
Min Next (dB)	80	72.4	66.4	60.7

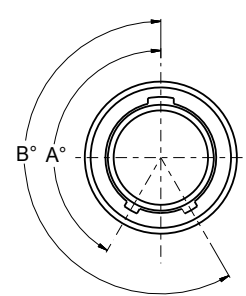
CAT 6A cable: meets electrical transmission requirements per TIA-568-C.2

Characteristic	@ 1 MHz	@ 100 MHz	@ 250 MHz	@ 600 MHz
Min Return Loss (dB)	30	28	20	14
Max Insertion Loss (dB)	0.10	0.20	0.32	0.45
Min Next (dB)	75	54	46	34

- Contact sub-assembly electrical characteristics per IEC 11801:
 - Min. Insulation resistance: 100 megohms at 500 VDC
 - Contact to contact proof voltage: 1000 VDC

Table I: Key Positions

Key Position	Key Rotation	
	A	B
Normal (A)	150°	210°
B	75°	210°
C	95°	230°
D	40°	275°
E	75°	275°
F	95°	210°



Dimensions in Inches (millimeters) are subject to change without notice.