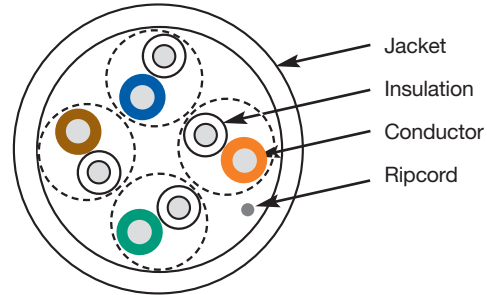


# Category 5e UTP 5e LAN®

Tested to 200 MHz

- **25 Year Warranty\***
- **14 dB Minimum ACR @ 100 MHz** – Proven support for Gigabit Ethernet / 1000BASE-T / IEEE 802.3ab, ATM up to 155 Mbps, 100 Mbps Fast Ethernet / 100BASE-T / IEEE 802.3, ANSI.X3.263 FDDI TP-PMD, Ethernet / 10BASE-T / IEEE 802.3, 4 & 16 Mbps Token Ring / IEEE 802.5, T1/E1, xDSL, ISDN, 550 MHz Broadband Video and standards under development such as ATM at 622 Mbps.
- **4 dB Minimum** – Improvement in Near End Crosstalk vs. TIA/EIA-568-B Category 5.
- **ETL Verified to Category 5e.**
- **.45 ns/meter Maximum Skew** – Tightly controlled propagation delay.
- **Engineered for Future Applications** – Tested for all



parameters specified...for 4 pair UTP in TIA/EIA-568-B.2, including PS-NEXT, Return Loss, ELFEXT and PS-ELFEXT.

- This cable and/or its manufacture are covered by US Patent No. 5,424,491.

\* Warranty available with MAC and System MATE® programs.

Mohawk Part No.	Cable Type	Dielectric Type	Jacket Type Diameter		Weight		Listings
			inch	mm	lbs/M'	kg/km	
M57554 Non-Plenum	4 PAIR 24 AWG UTP	Thermoplastic	White PVC .190	4.83	20	30	C(ETL)US CMR
M57547 Plenum	4 PAIR 24 AWG UTP	Dual Insulation** FEP on all 4 pairs	White ThermoPlen®* .180	4.57	23	34	C(ETL)US CMP
M58104 Plenum Plus®	4 PAIR 24 AWG UTP	FEP	White Smokeguard®† FP Rated for 125° C .170	4.32	24	36	UL, CMP Limited Combustible c(UL) CMP

\*Plenum rated Thermoplastic. \*\*US Patent No. 5,563,377. †Smokeguard is a registered trademark of AlphaGary. For pair colors see chart A on page 64.

Jacket Colors for 4-Pair Non-Plenum

Jacket Color	Mohawk #	Jacket Color	Mohawk #
WHITE	M57554	GREEN	M57557
BLUE	M57553	RED	M58008
PINK	M57555	ORANGE	M58009
YELLOW	M57556	BLACK	M58010
GRAY	M57552	VIOLET	M58007

Jacket Colors for 4-Pair Plenum

Jacket Color	Mohawk #	Jacket Color	Mohawk #
WHITE	M57547	GREEN	M57551
BLUE	M57546	RED	M57887
PINK	M57548	ORANGE	M57924
YELLOW	M57550	BLACK	M57936
GRAY	M57545	VIOLET	M57761

Custom colors available; please consult the factory.

Above part numbers are for reels only. Add "B" to end of Mohawk # for boxes, or "RB" for Reel-in-a-box packaging.

FREQ (MHz)	INSERTION LOSS			NEXT		ACR (dB/100m)	PS-NEXT		PS-ACR (dB/100m)	ELFEXT (dB/100m)	PS-ELFEXT (dB/100m)	RL (dB)
	(dB/100m)	(dB/mft)	(dB/mft)	avg	min		avg	min				
.772	avg 1.6	max 1.8	max 5.5	avg 79	min 68.0	min 66.2	avg 70	min 64.0	min 62.2	min -	min -	min -
1.0	1.8	2.0	6.3	77	66.3	64.3	68	62.3	60.3	63.8	60.8	20.0
4.0	3.8	4.1	13	68	57.3	53.2	57	53.3	49.2	51.8	48.8	23.0
8.0	5.4	5.8	18	64	52.8	47.0	54	48.8	43.0	45.7	42.7	24.5
10.0	6.0	6.5	20	62	51.3	44.8	52	47.3	40.8	43.8	40.8	25.0
16.0	7.6	8.2	25	60	48.2	40.0	50	44.2	36.0	39.7	36.7	25.0
20.0	8.6	9.3	28	58	46.8	37.5	48	42.8	33.5	37.8	34.8	25.5
25.0	9.7	10.4	32	57	45.3	34.9	47	41.3	30.9	35.8	32.8	24.3
31.25	10.9	11.7	36	56	43.9	32.2	46	39.9	28.2	33.9	30.9	23.6
62.5	15.8	17.0	52	52	39.4	22.4	42	35.4	18.4	27.9	24.9	21.5
100.0	20.5	22.0	67	48	36.3	14.3	38	32.3	10.3	23.8	20.8	20.1
155.0	26.2	28.1	86	45	33.4	5.3	35	29.4	1.3	20.0	17.0	18.8
200.0	30.2	32.4	99	43	31.8	-	33	27.8	-	17.8	14.8	18.0

Values above 100 MHz are for engineering information only.



Safety listed to NEC (NFPA 70)



Verified by ETL to TIA/EIA-568-B.2

