

1) CONSTRUCTION:

CONDUCTOR:	24 AWG 7/32 TINNED COPPER	NOM. DIA.	.024"
INSULATION:	HIGH DENSITY POLYETHYLENE, .007" NOM. WALL THICKNESS		.039" MAX
PAIRS:	COLOR CODED SINGLES TWISTED INTO PAIRS		.076"
CABLE:	(4) TWISTED PAIRS TWISTED TOGETHER TO FORM A CABLE CORE		.160"
JACKET:	POLYVINYLCHLORIDE, BEIGE, .020" NOM. WALL THICKNESS		
	OVERALL CABLE DIAMETER		.220" MAX

2) PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX.	60°C & 75°C
WT./M', NOM., NET.	22.2 LBS.

3) ELECTRICAL CHARACTERISTICS:

SEE PAGE 2

4) AGENCY APPROVALS:

(UL) TYPE CM
CSA TYPE CMG
ETL VERIFIED

5) APPLICATION:

JUMPER AND PATCH CABLE FOR CATEGORY 5e APPLICATIONS. RoHS COMPLIANT MATERIALS.

6) PRINT:

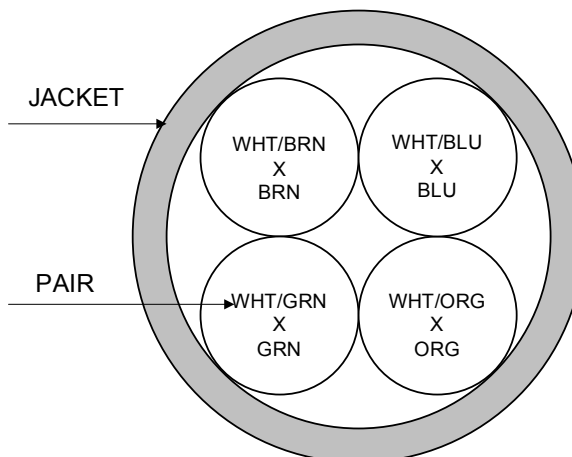
QUABBIN DATAMAX CAT 5e PATCH CORD/JUMPER P/N 5410R -- (UL) TYPE CM 24 AWG 75C --
CSA LL51726 TYPE CMG 60C -- ETL VERIFIED TO TIA-568-B.2 CAT 5e -- RoHS -- **(LOT DESIGNATOR)**

7) COLOR CODE:

1. WHITE/BLUE X BLUE
2. WHITE/ORANGE X ORANGE
3. WHITE/GREEN X GREEN
4. WHITE/BROWN X BROWN

8) PACKAGING:

STANDARD 1000 FT REELS
AVAILABLE IN LONGER BULK PUT-UPS
AND 1000 FT PULL BOXES



REVISION	15	DATE:		DRAWN	J. RIVERNIDER	09/21/94	
REVISED BY	B. Duceyuski	2/6/08	CHECKED	G. MELNIK	09/22/94		
CHECKED	B. Duceyuski	3/17/08	CHECKED				
CHECKED			CUSTOMER APPROVAL:	DATE:			

		TITLE	
		DATAMAX PATCH CABLE FOR CAT 5e	
QUABBIN P/N	5410	1 OF 2	

3) ELECTRICAL CHARACTERISTICS: (FOR 100m OF CABLE)

CAPACITANCE, MUTUAL	13.5 PF/FT. AT 1 MHZ	
DIELECTRIC WITHSTANDING, MIN	1500V RMS	
VOLTAGE RATING, MAX.	300V	
D.C. RESISTANCE, MAX.	26.0 Ω	
IMPEDANCE,	100 +/- 15 Ω 1-100 MHZ	
IMPEDANCE, SMOOTHED	100 +/- 10 Ω TYPICAL 5 - 100 MHZ	
SRL	23 DB 1-20 MHZ	
	23 - 10 LOG(F/20) 20-100 MHZ	
RETURN LOSS	1 - 10 MHZ	20 + 5 LOG (F) DB MIN
	10 - 20 MHZ	25 DB MIN
	20 - 100 MHZ	25 - 8.6 LOG(F/20) DB MIN
PS NEXT	1-100 MHZ	64 - 15 LOG(F/.772) MIN
NEXT	1-100 MHZ	67 - 15 LOG(F/.772) MIN
PS ELFEXT	1-100 MHZ	63 - 20 LOG(F/.772) MIN
ELFEXT	1-100 MHZ	66 - 20 LOG(F/.772) MIN
ATTENUATION	1-100 MHZ	$1.2[1.967 \text{ SQRT}(F) + .023(F) + .05/\text{SQRT}(F)]\text{MAX}$
DELAY	1-100 MHZ	$534 + 36/\text{SQRT}(F)$
DELAY SKEW	1-100 MHZ	<25NS
LCL	1-100 MHZ	-38dB MIN
NOMINAL VELOCITY OF PROPAGATION	1-100 MZH	.67C (67%)

NOTE: ALL TESTING IS CONDUCTED OFF THE REEL.

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REVISED BY B. Duczynski 2/6/08	CHECKED G. MELNIK 09/22/94		
CHECKED B. Duczynski 3/17/08	CHECKED		
CHECKED	CUSTOMER APPROVAL:	DATE:	TITLE DATAMAX PATCH CABLE FOR CAT 5e
		QUABBIN P/N 5410	2 OF 2