

1) CONSTRUCTION:

CONDUCTOR: 24 AWG 7/32 TINNED COPPER

INSULATION: HIGH DENSITY POLYETHYLENE, .007" NOM. WALL THICKNESS

PAIRS: COLOR CODED SINGLES TWISTED INTO PAIRS

CABLE: (4) TWISTED PAIRS TWISTED TOGETHER TO FORM A CABLE CORE

JACKET: POLYVINYLCHLORIDE, GREEN, .020" NOM. WALL THICKNESS

OVERALL CABLE DIAMETER

NOM. DIA.

.024"

.039" MAX

.076"

.160"

.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 5405R -- (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

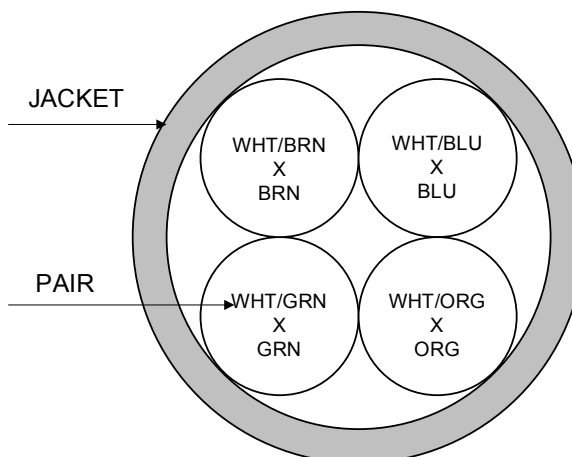
4. WHITE/BROWN X BROWN

8) PACKAGING:

STANDARD 1000 FT REELS

AVAILABLE IN LONGER BULK PUT-UPS

AND 1000 FT PULL BOXES



REVISION 12	DATE:	DRAWN J. RIVERNIDER 09/22/94	
REVISED BY	B. Duceyuski 2/6/08	CHECKED G. MELNIK 10/12/94	
CHECKED	B. Duceyuski 3/17/08	CHECKED	
CHECKED		CUSTOMER APPROVAL: DATE:	



TITLE		DATAMAX PATCH CABLE FOR CAT 5e	
QUABBIN P/N	5405	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.

REVISION 12	DATE:	DRAWN S. ADDIE 09/22/94	
REVISED BY B. Duceyuski	2/6/08	CHECKED G. MELNIK 10/12/94	
CHECKED B. Duceyuski	3/17/08	CHECKED	
CHECKED		CUSTOMER APPROVAL: DATE:	
			
			TITLE DATAMAX PATCH CABLE FOR CAT 5e
			QUABBIN P/N 5405 2 OF 2