

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		.078"
CABLE:	(4) TWISTED PAIRS TWISTED TOGETHER TO FORM A CABLE CORE		.160"
JACKET:	POLYVINYLCHLORIDE, (COLOR, PER CHART 1), .020" NOM. WALL THICKNESS		.220" MAX
	OVERALL CABLE DIAMETER		

2) PHYSICAL PROPERTIES:

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

CHART 1:

QUABBIN P/N	JACKET COLOR
2200B	BLACK
2201B	BROWN
2202B	RED
2203B	ORANGE
2204B	YELLOW
2205B	GREEN
2206B	BLUE
2207B	VIOLET
2208B	GRAY
2209B	WHITE
2210B	BEIGE
2212B	PINK
2215B	LIME

3) ELECTRICAL CHARACTERISTICS:

SEE PAGE 2

4) AGENCY APPROVALS:

(UL) TYPE CM
 CSA TYPE CMG

5) APPLICATION:

IDEAL FOR LOW PROFILE TWO PIECE MODULAR CAT 6 PLUGS. RoHS COMPLIANT MATERIALS.

6) PRINT:

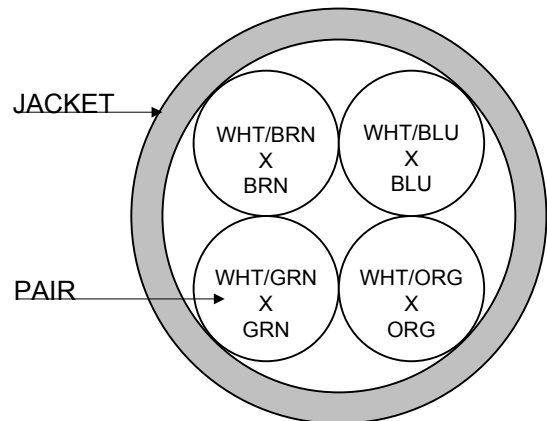
QUABBIN DATAMAX 6E 600 MHZ ENHANCED PATCH CORD P/N (QWC P/N PER CHART 1) -- (UL) TYPE CM 24 AWG 75C -- CSA LL51726 TYPE CMG 60C -- TIA-568-C.2 CAT 6 -- RoHS -- (LOT DESIGNATOR) (SEQUENTIAL FOOTAGE)

7) COLOR CODE:

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

8) PUT UPS

AVAILABLE IN STANDARD 1000 FT REELS OR IN LONGER BULK PUTUPS



Created 11/08/17	DRAWN: SGH 11/08/17
REV. 01	CHECKED: JFR 12/22/17



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TITLE	DATAMAX 6 PATCH CABLE
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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; 100 +/-20 Ω 100 TO 600 MHz	
IMPEDANCE, SMOOTHED	100 +/- 3 Ω TYPICAL 5 - 500 MHz	
RETURN LOSS	1 ≤ f < 10 MHz	20 + 5 LOG(f) dB MIN
	10 ≤ f < 20 MHz	25 dB MIN
	20 ≤ f ≤ 500 MHz	25 - 8.6 LOG(f/20) dB MIN
PS NEXT	1 ≤ f < 250 MHz	45.3 - 15 LOG (f/100) dB MIN
	250 ≤ f ≤ 500 MHz	42.3 - 15 LOG (f /100) dB MIN
NEXT	1 ≤ f < 250 MHz	47.8 - 15 LOG (f/100) dB MIN
	250 ≤ f ≤ 500 MHz	44.3 - 15 LOG (f/100) dB MIN
PS ACRF	1 ≤ f ≤ 500 MHz	24.8 - 20 LOG(f/100) dB MIN
ACRF	1 ≤ f ≤ 500 MHz	27.8 - 20 LOG(f/100) dB MIN
INSERTION LOSS	1 ≤ f ≤ 500 MHz	1.2 [1.82 √f + 0.017(f) + 0.17/√f] dB MAX
DELAY	1 ≤ f ≤ 500 MHz	534 + 36/√f ns MAX
DELAY SKEW	1 ≤ f ≤ 500 MHz	<45 ns
LCL	1 ≤ f ≤ 500 MHz	-38 dB MIN

NOTE: ALL TESTING IS CONDUCTED OFF THE REEL.

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