

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, (**COLOR, PER CHART 1**), .020" NOM. WALL THICKNESS
 OVERALL CABLE DIAMETER

NOM. DIA.
 .024"
 .039" MAX
 .078"
 .160"
 .220" MAX
 (BY PI TAPE)

2) PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX. 60°C & 75°C
 TEMPERATURE RATING, MIN. -20°C
 WT./M', NOM., NET. 24.0 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:

NEC (UL) TYPE CMR/CMG
 CEC C(UL) TYPE CMR/CMG

5) APPLICATION:

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

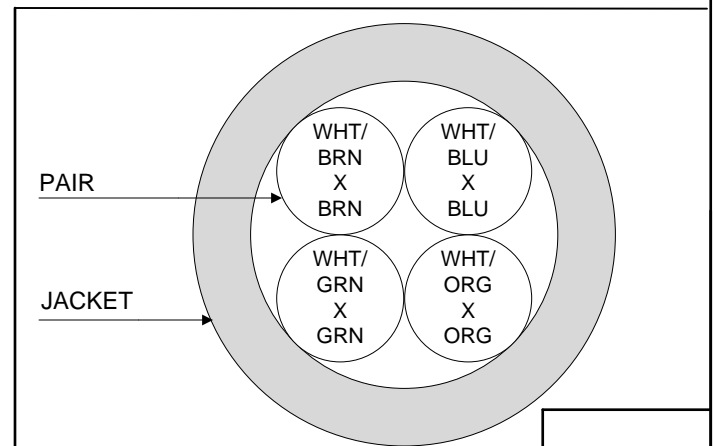
6) PRINT: (WHITE INK ON BLACK JACKET, ALL OTHERS BLACK INK)
 QUABBIN DATAMAX 6E 600 MHZ ENHANCED PATCH CORD
 P/N (**QWC P/N PER CHART 1**) -- TYPE CMR C(UL)US CMG 24
 AWG 75C -- TIA-568.2-D CAT 6 -- RoHS -- (**LOT DESIGNATOR**)
 (**SEQUENTIAL FOOTAGE**)

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 04/01/20	
REV. 02	CHECKED: ZRS 04/02/20	
TITLE DATAMAX 6 PATCH CABLE		
DRAWING #	QWC0105	1 of 2

CUSTOMER APPROVAL:

DATE:

3) ELECTRICAL CHARACTERISTICS:

CAPACITANCE, MUTUAL, NOM.	13.5 PF/FT. AT 1 MHz
DIELECTRIC WITHSTANDING, MIN.	1500V RMS
VOLTAGE RATING, MAX.	300V
D.C. RESISTANCE, MAX.	26.2 Ω/1,000'

NOTE: TESTING FOR THE FOLLOWING IS CONDUCTED OFF THE REEL. (FOR 100m OF CABLE)

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

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