

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.

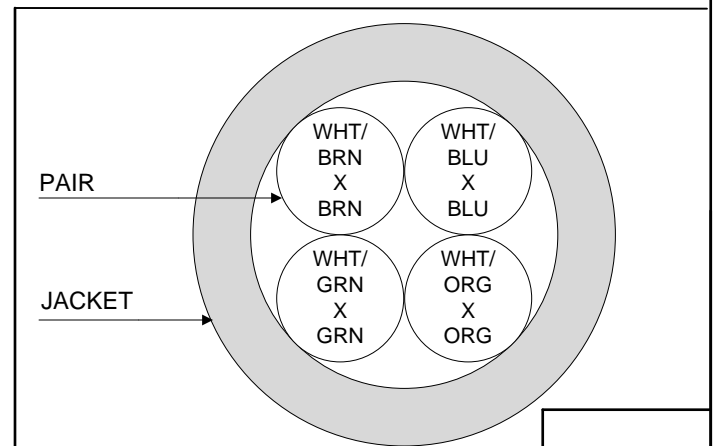
6) PRINT: (WHITE INK ON BLACK JACKET, ALL OTHERS BLACK INK)
 QUABBIN DATAMAX 6E 600 MHZ ENHANCED PATCH CORD
 P/N (**QWC P/N PER CHART 1**) -- TYPE CMR C(UL)US CMG 24
 AWG 75C -- TIA-568.2-D CAT 6 -- RoHS -- (**LOT DESIGNATOR**)
 (**SEQUENTIAL FOOTAGE**)

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



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|--------------------------------|--------------------------|---------|
| 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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