

1) CONSTRUCTION:
 CONDUCTOR: 24 AWG 7/32 STRANDED 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), .021" NOM. WALL THICKNESS
 NOM. DIA. .024"
 .038"
 .076"
 OVERALL CABLE DIAMETER .215"

2) PHYSICAL PROPERTIES:
 TEMPERATURE RATING, MAX. 60°C & 75°C
 TEMPERATURE RATING, MIN. -20°C (COLD BEND TEST, PER UL 444, CSA C22.2 NO. 214)
 WT./M', NOM., NET. 22.2 LBS.
 BEND RADIUS, STATIC 1"
 CHART 1:

| QUABBIN P/N | JACKET COLOR |
|-------------|--------------|
| 5500 | BLACK |
| 5501 | BROWN |
| 5502 | RED |
| 5503 | ORANGE |
| 5504 | YELLOW |
| 5505 | GREEN |
| 5506 | BLUE |
| 5507 | VIOLET |
| 5508 | GRAY |
| 5509 | WHITE |
| 5510 | BEIGE |
| 5511 | LIGHT BLUE |
| 5512 | PINK |
| 5515 | LIME |

3) ELECTRICAL CHARACTERISTICS:
 SEE PAGE 2

4) AGENCY APPROVALS:
 (UL) TYPE CMR
 CSA TYPE CMG
 ETL VERIFIED TO CAT 5e

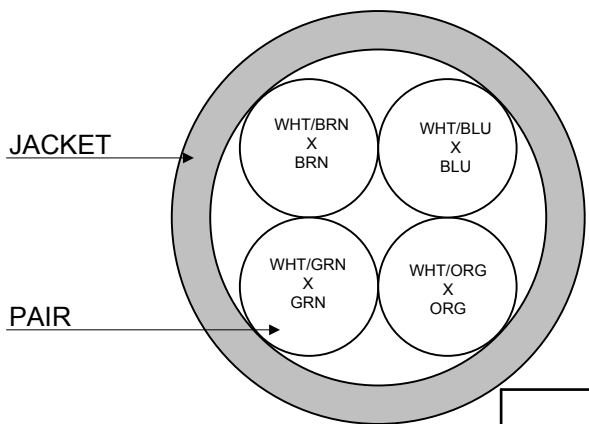
5) APPLICATION:
 JUMPER AND PATCH CABLE FOR CATEGORY 5 AND 5e APPLICATIONS. SUPPORTS ATM APPLICATIONS TO 155 MHZ OR OTHER EXTENDED FREQUENCY APPLICATIONS. RoHS COMPLIANT MATERIALS.

6) PRINT: (WHITE INK ON BLACK JACKET, ALL OTHERS BLACK INK)
 QUABBIN DATAMAX 5E 350 MHZ ISO 11801 PATCH CORD P/N (P/N PER CHART 1*) -- (UL) TYPE CMR 24 AWG 75C -- CSA LL51726 TYPE CMG 60C -- ETL VERIF. TIA-568-C.2 CAT 5e -- RoHS -- (LOT DESIGNATOR) (SEQUENTIAL FOOTAGE)

*NOTE: "R" MAY BE ADDED TO SOME P/N IN PRINT TO DISTINGUISH FROM PREVIOUS NON-RoHS PRODUCT

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:
 1000 FOOT REELS
 REEL IN A BOX AND BULK PUT-UPS AVAILABLE



| | | |
|-----------------------------|--------------------------|--------|
| Created 11/10/11 | DRAWN: SGH 12/19/17 | |
| REV. 03 | CHECKED: JFR 12/19/17 | |
| TITLE CAT 5E PATCH CABLE | | |
| DRAWING # | QWC0009 | 1 of 2 |


CUSTOMER APPROVAL: _____ DATE: _____

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/1,000'
 IMPEDANCE, 100 +/- 15 Ω 1-350 MHz
 IMPEDANCE, SMOOTHED 100 +/- 10 Ω TYPICAL 5 - 100 MHz

| | | |
|----------------|------------------|---|
| RETURN LOSS | 1 ≤ f < 10 MHz | 20 + 5 LOG(f) dB MIN |
| | 10 ≤ f < 20 MHz | 25 dB MIN |
| | 20 ≤ f ≤ 100 MHz | 25 - 8.6 LOG(f/20) dB MIN |
| PS NEXT | 1 ≤ f ≤ 100 MHz | 32.3 - 15 LOG(f/100) dB MIN |
| NEXT | 1 ≤ f ≤ 100 MHz | 35.3 - 15 LOG(f/100) dB MIN |
| PS ACRF | 1 ≤ f ≤ 100 MHz | 20.8 - 20 LOG(f/100) dB MIN |
| ACRF | 1 ≤ f ≤ 100 MHz | 23.8 - 20 LOG(f/100) dB MIN |
| INSERTION LOSS | 1 ≤ f ≤ 100 MHz | 1.2[1.967√f + 0.023(f) + 0.050/√f] dB MAX |
| DELAY | 1 ≤ f ≤ 100 MHz | 534 + 36/√f ns |
| DELAY SKEW | 1 ≤ f ≤ 100 MHz | <25 ns |
| LCL | 1 ≤ f ≤ 100 MHz | -38 dB MIN |

NOTE: ALL TESTING IS CONDUCTED OFF THE REEL.

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