

1) CONSTRUCTION:

|             |   |                        |  |
|-------------|---|------------------------|--|
| CONDUCTOR:  | 26 AWG 7/34 STRANDED TINNED COPPER  | NOM. DIA.              | .019"                                    |
| INSULATION: | HIGH DENSITY POLYETHYLENE, .009" NOM. WALL THICKNESS  |                        | .036"                                    |
| PAIRS:      | COLOR CODED SINGLES TWISTED INTO PAIRS  |                        | .072"                                    |
| CABLE:      | (4) TWISTED PAIRS TWISTED TOGETHER WITH A CENTRAL SPLINE AND WRAPPED WITH A CLEAR POLYESTER BINDER TO FORM A CABLE CORE.  |                        | .205"                                    |
| SHIELD:     | AN ALUMINIZED POLYESTER FOIL SHIELD (FOIL IN, 100% COVERAGE) WITH A 26 AWG TINNED COPPER DRAIN WIRE IN CONTACT WITH METALIZED SURFACE SHALL BE APPLIED OVER THE CABLE CORE. |                        | .208"                                    |
| JACKET:     | POLYVINYLCHLORIDE, ( <b>COLOR, PER CHART 1</b> ), .024" NOM. WALL THICKNESS   | OVERALL CABLE DIAMETER | .235" NOM.<br>.240" MAX.<br>(BY PI TAPE) |

2) PHYSICAL PROPERTIES:

|                          |           |
|--------------------------|-----------|
| TEMPERATURE RATING, MAX. | 75°C      |
| TEMPERATURE RATING, MIN. | -20°C     |
| WT./M', NOM., NET.       | 24.5 LBS. |

CHART 1:

| QUABBIN P/N | JACKET COLOR |
|-------------|--------------|
| 2930        | BLACK        |
| 2931        | BROWN        |
| 2932        | RED          |
| 2933        | ORANGE       |
| 2934        | YELLOW       |
| 2935        | GREEN        |
| 2936        | BLUE         |
| 2937        | VIOLET       |
| 2938        | GRAY         |
| 2939        | WHITE        |
| 2940        | BEIGE        |
| 2941        | PINK         |

3) ELECTRICAL CHARACTERISTICS:

SEE PAGE 2

4) AGENCY APPROVALS:

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

5) APPLICATION:

SHIELDED FLEXIBLE PATCH/JUMPER CABLE TO SUPPORT SCREENED 568.2-D CATEGORY 6 APPLICATIONS.  
RoHS COMPLIANT MATERIALS.

6) PRINT: (WHITE INK ON BLACK JACKET, ALL OTHERS BLACK INK)

QUABBIN DATAMAX 6 F/UTP 100 OHM PATCH CORD  
P/N (**QWC P/N PER CHART 1**) -- TYPE CMR C(UL)US  
CMG 4 PR 26 AWG SHIELDED 75C -- FT4/IEEE 1202 --  
CAT 6 TIA-568.2-D -- RoHS -- (**LOT DESIGNATOR**)  
(**SEQUENTIAL FOOTAGE**)

7) COLOR CODE:

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

8) PACKAGING:

TO BE PACKAGED AS PER QWC'S  
STANDARD PACKAGING

DRAIN

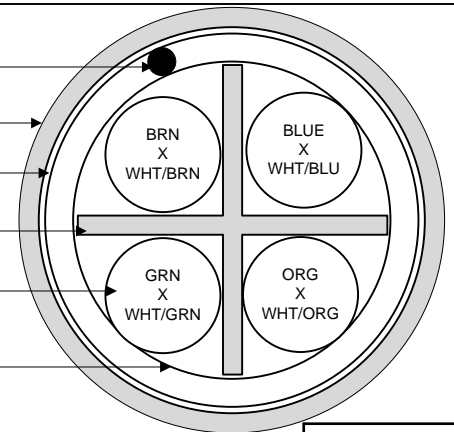
JACKET

SHIELD

SPLINE

PAIR

BINDER



|                     |                          |
|---------------------|--------------------------|
| Created<br>03/19/12 | DRAWN: SGH<br>01/22/21   |
| REV. 04             | CHECKED: ZRS<br>01/27/21 |



TITLE  
4PR. SHIELDED 100 OHM PATCH CORD  
-- CATEGORY 6

CUSTOMER APPROVAL:

DATE:

DRAWING# QWC0034


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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, NOM.         | 42.6 Ω/1,000' (14 Ω/100m) |

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

|                         |                                |  |
|-------------------------|--------------------------------|--|
| IMPEDANCE, NOM.         | 100 ± 15 Ω 1 – 250 MHz         |  |
| IMPEDANCE, SMOOTHED     | 100 ± 10 Ω TYPICAL 5 – 250 MHz |  |
| RETURN LOSS             | 1 ≤ f < 10 MHz                 | 20 + 5 LOG (f) dB MIN                    |
|                         | 10 ≤ f < 20 MHz                | 25 dB MIN                                |
|                         | 20 ≤ f ≤ 250 MHz               | 25 – 8.6 LOG(f/20) dB MIN                |
| PS NEXT                 | 1 ≤ f ≤ 250 MHz                | 42.3 – 15 LOG(f/100) dB MIN              |
| NEXT                    | 1 ≤ f ≤ 250 MHz                | 44.3 – 15 LOG(f/100) dB MIN              |
| PSACRF                  | 1 ≤ f ≤ 250 MHz                | 24.8 – 20 LOG(f/100) dB MIN              |
| ACRF                    | 1 ≤ f ≤ 250 MHz                | 27.8 – 20 LOG(f/100) dB MIN              |
| INSERTION LOSS          | 1 ≤ f ≤ 250 MHz                | 1.5[1.808√f + 0.017(f) + 0.2/√f ] dB MAX |
| DELAY                   | 1 ≤ f ≤ 250 MHz                | 534 + 36/√f ns MAX                       |
| DELAY SKEW              | 1 ≤ f ≤ 250 MHz                | <45ns                                    |
| VELOCITY OF PROPAGATION | 68%                            |  |

|  |                          |   |
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| TITLE<br>4PR. SHIELDED 100 OHM PATCH CORD<br>-- CATEGORY 6 |                          |   |
| DRAWING#   | QWC0034                  | 2 of 2  |

CUSTOMER APPROVAL:

DATE: