

1) CONSTRUCTION:

CONDUCTOR: 26 AWG 7/34 STRANDED TINNED COPPER  
 INSULATION: HIGH DENSITY POLYETHYLENE, .009" NOM. WALL THICKNESS  
 PAIRS: COLOR CODED SINGLES TWISTED INTO PAIRS  
 CABLE: (4) TWISTED PAIRS TWISTED TOGETHER AND WRAPPED WITH A CLEAR POLYESTER BINDER TO FORM A CABLE CORE.  
 SHIELDS: AN OVERALL ALUMINIZED POLYESTER FOIL SHIELD (FOIL OUT, 100% COVERAGE) SHALL BE APPLIED OVER THE CABLE CORE AND SHALL CONTAIN A 26 AWG 7/34 STRANDED TINNED COPPER DRAIN WIRE IN CONTACT WITH THE METALIZED SURFACE. A SECOND SHIELD OF 38 AWG TINNED COPPER BRAID (85% MINIMUM COVERAGE), SHALL BE APPLIED OVER THE FOIL SHIELD.  
 JACKET: POLYVINYLCHLORIDE, (**COLOR, PER CHART 1**), .026" NOM. WALL THICKNESS  
 OVERALL CABLE DIAMETER

NOM. DIA.  
 .019"  
 .036" (± .001")  
 .072"  
 .153"  
 .173" MAX.  
 .217" (± .010")  
 (BY PI TAPE)

2) PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX. 75°C  
 TEMPERATURE RATING, MIN. -20°C  
 WT./M', NOM., NET. 31.8 LBS.

CHART 1:

| QUABBIN P/N | JACKET COLOR |
|-------------|--------------|
| 2510        | BLUE         |
| 2511        | WHITE        |
| 2512        | BEIGE        |
| 2513        | LIGHT GRAY   |
| 2514        | YELLOW       |

3) ELECTRICAL CHARACTERISTICS:

SEE PAGE 2

4) AGENCY APPROVALS:

NEC (UL) TYPE CM  
 CEC C(UL) TYPE CM

5) APPLICATION:

SHIELDED PATCH CABLE TO SUPPORT SCREENED TIA-568.2-D CATEGORY 5e APPLICATIONS.  
 RoHS COMPLIANT MATERIALS.

6) PRINT: (BLACK INK)

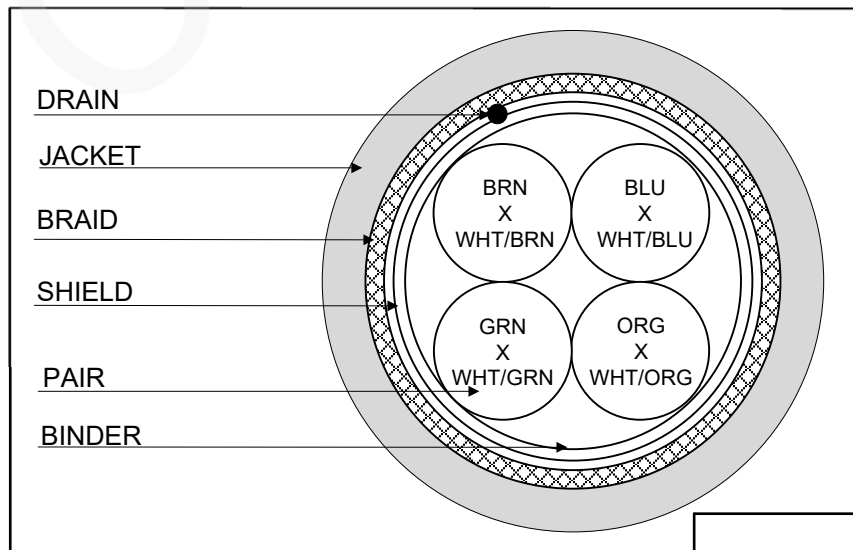
QUABBIN DATAMAX CAT 5e SF/UTP PATCH CORD ISO 11801 P/N (**P/N PER CHART 1**) -- TYPE CM C(UL)US 4 PR 26 AWG 75C -- RoHS -- (**LOT DESIGNATOR**) (**SEQUENTIAL FOOTAGE**)

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



CUSTOMER APPROVAL:

DATE:


|   |                          |        |
|---|--------------------------|--------|
| Created<br>02/23/11   | DRAWN: SGH<br>01/19/23   |        |
| REV. 03   | CHECKED: ZRS<br>01/19/23 |        |
| TITLE<br>4PR. SF/UTP SHIELDED PATCH CORD -- CAT 5e -- TYPE C(UL)US CM |                          |        |
| DRAWING#: QWC0016   |                          | 1 of 2 |

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.         | 42.6 Ω/1,000'        |

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

|                         |                  |   |
|-------------------------|------------------|---|
| IMPEDANCE,              | 100 ± 15 Ω       | 1 - 100 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  | 1.5[1.967√f + 0.023(f) + 0.050/√f] dB MAX |
| DELAY                   | 1 ≤ f ≤ 100 MHz  | 534 + 36/√f ns MAX                        |
| DELAY SKEW              | 1 ≤ f ≤ 100 MHz  | <45 ns                                    |
| VELOCITY OF PROPAGATION | 71%              |   |

|  |                          |   |
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| TITLE<br>4PR. SF/UTP SHIELDED PATCH CORD -- CAT<br>5e -- TYPE C(UL)US CM |                          |   |
| DRAWING#:  |                          | QWC0016   |
|  |                          | 2 of 2  |

CUSTOMER APPROVAL:

DATE: