

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 7/34 STRANDED TINNED COPPER DRAIN WIRE IN CONTACT WITH THE METALIZED SURFACE SHALL BE APPLIED OVER THE CABLE CORE. |                        | .208"                                    |
| JACKET:     | LOW SMOKE ZERO HALOGEN, (COLOR, PER CHART 1), .032" NOM. WALL THICKNESS   | OVERALL CABLE DIAMETER | .265" NOM.<br>.275" MAX.<br>(BY PI TAPE) |

2) PHYSICAL PROPERTIES:

|  |                  |
|--|------------------|
| TEMPERATURE RATING, MAX.                           | 75°C             |
| TEMPERATURE RATING, MIN.                           | -40°C            |
| FLAME RATING                                       | VW-1             |
| CORROSIVE GAS                                      | IEC 60754-2      |
| SMOKE EMISSION                                     | IEC 61034-1 & -2 |
| WT./M', NOM., NET.                                 | 29.9 LBS.        |
| BEND RADIUS, MIN.,<br>(STATIC, 1 BEND IN ASSEMBLY) | 1"               |

CHART 1:

|              |       |       |      |        |        |       |      |        |      |       |       |      |
|--------------|-------|-------|------|--------|--------|-------|------|--------|------|-------|-------|------|
| QUABBIN P/N  | 2966  | 2967  | 2968 | 2969   | 2970   | 2971  | 2972 | 2973   | 2974 | 2975  | 2976  | 2977 |
| JACKET COLOR | BLACK | BROWN | RED  | ORANGE | YELLOW | GREEN | BLUE | VIOLET | GRAY | WHITE | BEIGE | PINK |

3) ELECTRICAL CHARACTERISTICS:  
SEE PAGE 2

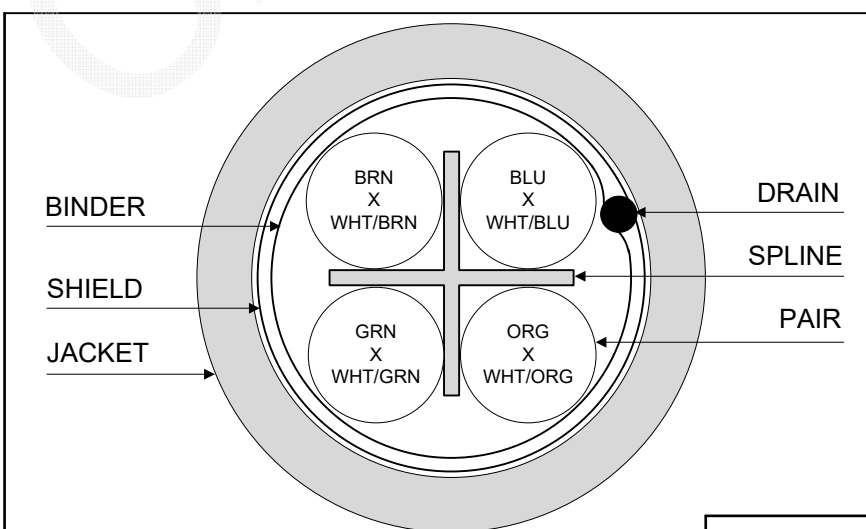
4) AGENCY APPROVALS:  
NEC (ETL) TYPE CMX  
CEC C(ETL) TYPE CMX

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) -- LOW SMOKE ZERO HALOGEN TIA-568.2-D CAT 6 -- C(ETL)US TYPE CMX 75C 26 AWG -- VW-1 -- 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



|  |                          |         |
|--|--------------------------|---------|
| Created<br>11/16/12  | DRAWN: SGH<br>06/22/22   |         |
| REV. 04  | CHECKED: ZRS<br>06/23/22 |         |
| TITLE<br>4PR. SHIELDED 100 OHM PATCH CORD --<br>LSZH -- CATEGORY 6 -- TYPE CMX |                          |         |
| DRAWING #  |                          | QWC0032 |
|  |                          | 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. 42.6 Ω/1,000' (14.0 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

PS ACRF 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) + 0.20/√(f)] dB MAX

DELAY 1 ≤ f ≤ 250 MHz 534 + 36/√(f) ns MAX

DELAY SKEW 1 ≤ f ≤ 250 MHz <45 ns

VELOCITY OF PROPAGATION 68%

|  |                          |   |
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| DRAWING #  |                          | QWC0032   |
|  |                          | 2 of 2  |

CUSTOMER APPROVAL:

DATE: