

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, (COLOR, PER CHART 1), .024" NOM. WALL THICKNESS | OVERALL CABLE DIAMETER | .235" NOM. .240" MAX. (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)

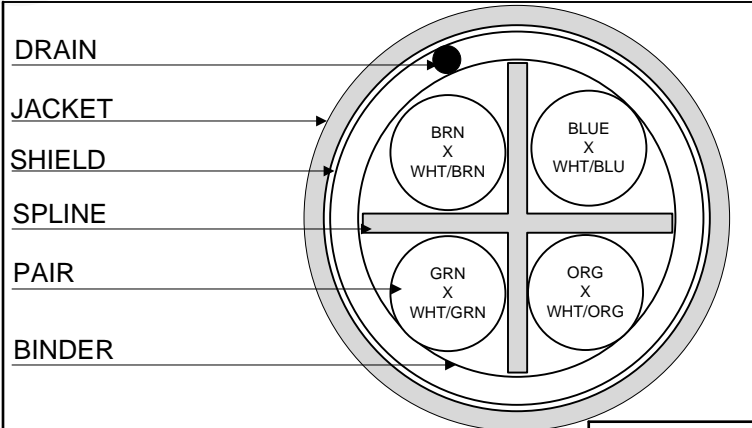
QUABBIN DATAMAX 6 F/UTP 100 OHM PATCH CORD
P/N (**QWC P/N PER CHART 1**) -- TYPE CMR C(UL)US
CMG 4 PR 26 AWG SHIELDED 75C -- FT4/IEEE 1202 --
CAT 6 TIA-568.2-D -- RoHS -- (**LOT DESIGNATOR**)
(**SEQUENTIAL FOOTAGE**)

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



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



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

CUSTOMER APPROVAL:

DATE:

DRAWING# QWC0034


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, 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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| DRAWING# | QWC0034 | 2 of 2 |

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