

- 1) CONSTRUCTION:
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|-------------|---|-----------|--|
| 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 | | .265" NOM.
.275" MAX.
(BY PI TAPE) |
| | OVERALL CABLE DIAMETER | | |

- 2) PHYSICAL PROPERTIES:
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|--|------------------|
| 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.,
(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

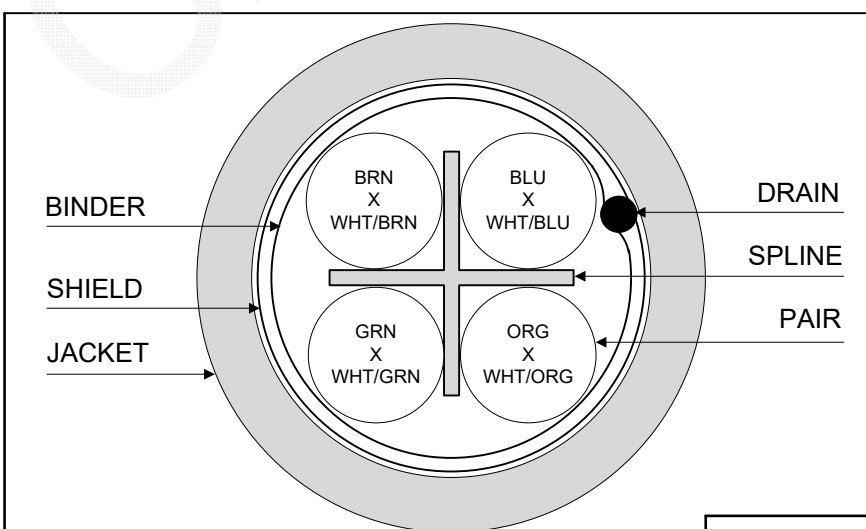
- 4) AGENCY APPROVALS:
NEC (ETL) TYPE CMX
CEC C(ETL) TYPE CMX

- 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 11/16/12	DRAWN: SGH 06/22/22	
REV. 04	CHECKED: ZRS 06/23/22	
TITLE 4PR. SHIELDED 100 OHM PATCH CORD -- 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: