

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. .275" MAX. (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., (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

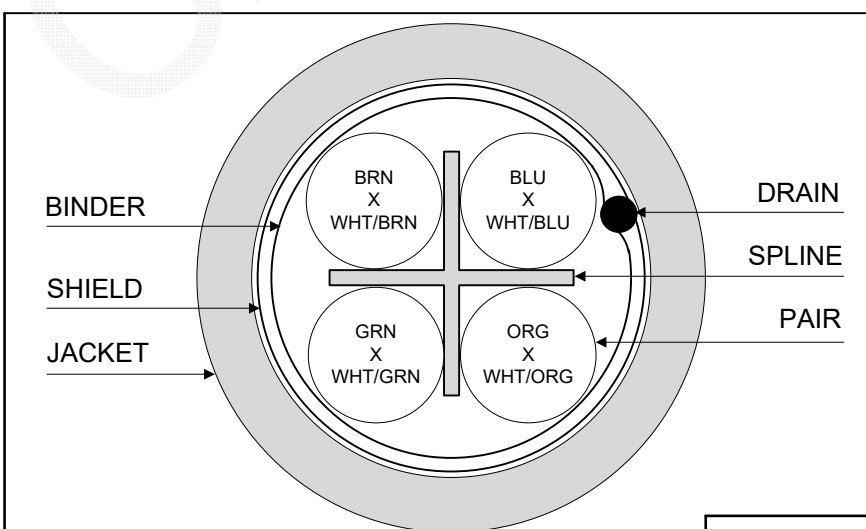
4) AGENCY APPROVALS:  
NEC (ETL) TYPE CMX  
CEC C(ETL) TYPE CMX

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	$1 \leq f \leq 10 \text{ MHz}$ 20 + 5 LOG( $f$ ) dB MIN $10 \leq f < 20 \text{ MHz}$ 25 dB MIN $20 \leq f \leq 250 \text{ MHz}$ 25 - 8.6 LOG( $f/20$ ) dB MIN
PS NEXT	$1 \leq f \leq 250 \text{ MHz}$ 42.3 - 15 LOG ( $f/100$ ) dB MIN
NEXT	$1 \leq f \leq 250 \text{ MHz}$ 44.3 - 15 LOG ( $f/100$ ) dB MIN
PS ACRF	$1 \leq f \leq 250 \text{ MHz}$ 24.8 - 20 LOG( $f/100$ ) dB MIN
ACRF	$1 \leq f \leq 250 \text{ MHz}$ 27.8 - 20 LOG( $f/100$ ) dB MIN
INSERTION LOSS	$1 \leq f \leq 250 \text{ MHz}$ 1.5[1.808 √( $f$ ) + 0.017( $f$ ) + 0.20/√( $f$ )] dB MAX
DELAY	$1 \leq f \leq 250 \text{ MHz}$ 534 + 36/√( $f$ ) ns MAX
DELAY SKEW	$1 \leq f \leq 250 \text{ MHz}$ <45 ns
VELOCITY OF PROPAGATION	68%

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		2 of 2

CUSTOMER APPROVAL:

DATE: