

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		.265" NOM. .275" MAX. (BY PI TAPE)
	OVERALL CABLE DIAMETER		

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

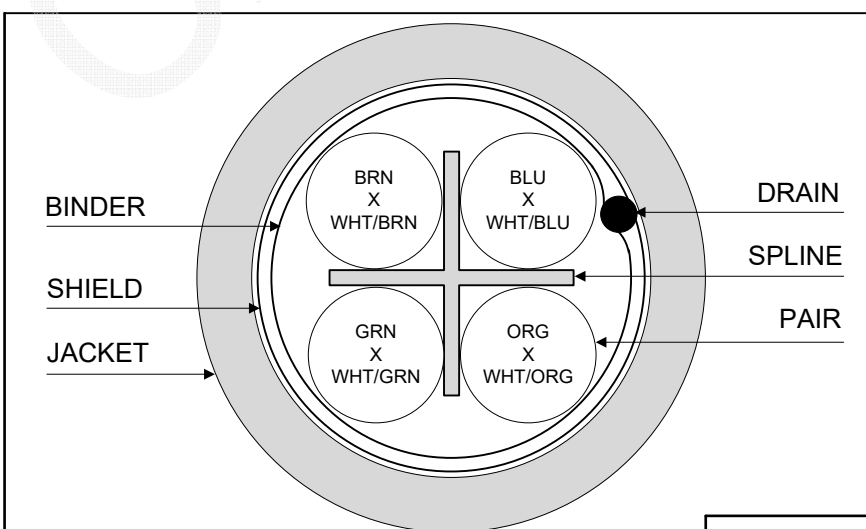
4) AGENCY APPROVALS:  
NEC (ETL) TYPE CMX  
CEC C(ETL) TYPE CMX

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 ≤ 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: