

1) CONSTRUCTION:

CONDUCTOR:	26 AWG 7/34 STRANDED TINNED COPPER	NOM. DIA.	.019"
INSULATION:	POLYOLEFIN, .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) WITH A 26 AWG TINNED COPPER DRAIN WIRE IN CONTACT WITH METALIZED SURFACE (100% COVERAGE) SHALL BE APPLIED OVER THE CABLE CORE.		.208"
JACKET:	LOW SMOKE ZERO HALOGEN, <b>(COLOR, PER CHART 1)</b> , .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.	31.4 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

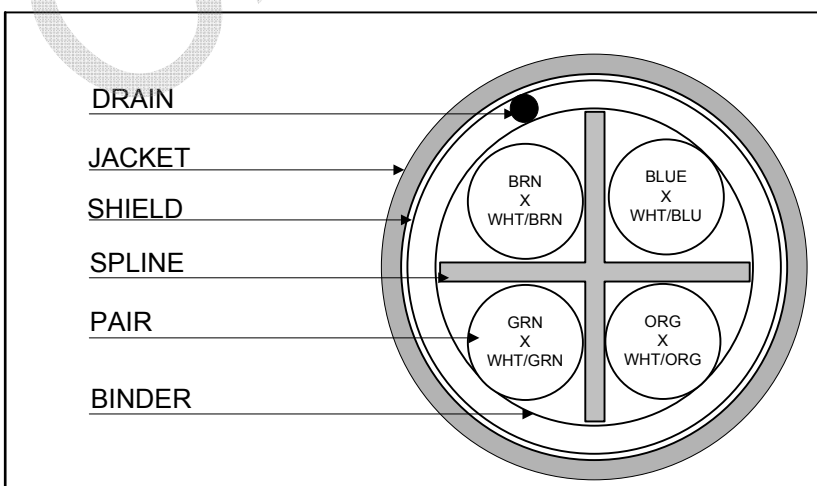
4) AGENCY APPROVALS:  
NEC (ETL) TYPE CMX  
CEC C(ETL) TYPE CMX

5) APPLICATION:  
SHIELDED FLEXIBLE PATCH/JUMPER CABLE TO SUPPORT SCREENED 568-C.2 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-C.2 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



CUSTOMER APPROVAL:

DATE:


Created 11/16/12	DRAWN: SGH 04/23/18	
REV. 03	CHECKED: ZRS 04/23/18	
TITLE 4PR. SHIELDED 100 OHM PATCH CORD -- LSZH -- CATEGORY 6 -- TYPE CMX		
DRAWING #		1 of 2

3) ELECTRICAL CHARACTERISTICS: (FOR 100m OF CABLE)

CAPACITANCE, MUTUAL	13.5 PF/FT. AT 1 MHz
DIELECTRIC WITHSTANDING, MIN	1500V RMS
VOLTAGE RATING, MAX.	300V
D.C. RESISTANCE, MAX.	14.0 Ω
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%

NOTE: ALL TESTING IS CONDUCTED OFF THE REEL.

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TITLE		
4PR. SHIELDED 100 OHM PATCH CORD -- LSZH -- CATEGORY 6 -- TYPE CMX		
DRAWING #	QWC0032	2 of 2

CUSTOMER APPROVAL:

DATE: