

1) CONSTRUCTION:		NOM. DIA.
CONDUCTOR:	26 AWG 7/34 STRANDED TINNED COPPER	.019"
INSULATION:	HIGH DENSITY POLYETHYLENE, .010" NOM. WALL THICKNESS	.039"
PAIRS:	COLOR CODED SINGLES TWISTED INTO PAIRS	.078"
CABLE:	(4) TWISTED PAIRS TWISTED TOGETHER TO FORM A CABLE CORE WRAPPED WITH A CLEAR POLYESTER BINDER.	.168"
SHIELD:	AN ALUMINIZED POLYESTER FOIL SHIELD (FOIL IN, 100% COVERAGE) WITH A 26 AWG STRANDED TINNED COPPER DRAIN WIRE IN CONTACT WITH METALIZED SURFACE SHALL BE APPLIED OVER THE CABLE CORE.	.177"
JACKET:	LOW SMOKE ZERO HALOGEN, (COLOR, PER CHART 1) , .032" NOM. WALL THICKNESS	.241"
	OVERALL CABLE DIAMETER	

2) PHYSICAL PROPERTIES:	
TEMPERATURE RATING, MAX.	75°C
TEMPERATURE RATING, MIN.	-20°C
WT./M', NOM., NET.	26.8 LBS.
FLAME RATING	VW-1
CORROSIVE GAS	IEC 60754-2
SMOKE EMISSION	IEC 61034-1 & -2

CHART 1:

QUABBIN P/N	JACKET COLOR
2800	BLACK
2801	BROWN
2802	RED
2803	ORANGE
2804	YELLOW
2805	GREEN
2806	BLUE
2807	VIOLET
2808	GRAY
2809	WHITE
2810	BEIGE

3) ELECTRICAL CHARACTERISTICS:
SEE PAGE 2

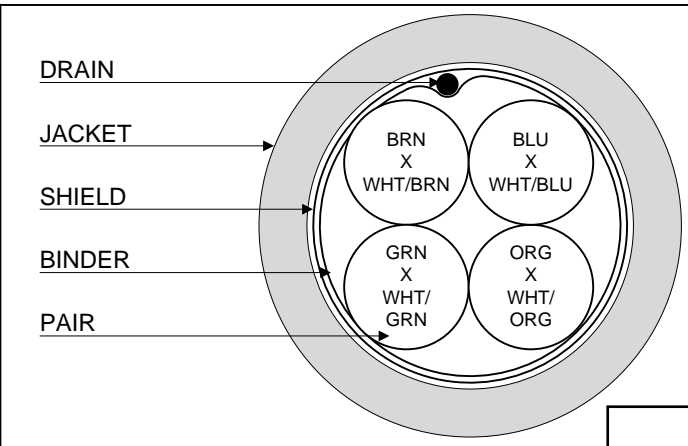
4) AGENCY APPROVALS:
NEC (ETL) TYPE CMX
CEC C(ETL) TYPE CMX

5) APPLICATION:
SHIELDED FLEXIBLE PATCH/JUMPER CABLE TO SUPPORT SCREENED ISO 11801 CLASS D AND SCREENED 568.2-D CATEGORY 5e APPLICATIONS. RoHS COMPLIANT MATERIALS.

6) PRINT:
QUABBIN DATAMAX 5e SCREENED 100 OHM PATCH CORD/JUMPER LOW SMOKE ZERO HALOGEN TIA-568.2-D CATEGORY 5e/ISO 11801 COMPLIANT P/N **(QWC P/N PER CHART 1)** -- 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 3/8/11	DRAWN: SGH 02/20/20	
REV. 05	CHECKED: ZRS 02/20/20	
TITLE 4PR. SHIELDED 100 OHM PATCH CORD/ JUMPER -- CATEGORY 5e -- TYPE CMX		
DRAWING #	QWC0017	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.	15.38 Ω/100m (42.6 Ω/1,000')

NOTE: TESTING FOR THE FOLLOWING IS CONDUCTED OFF THE REEL. (FOR 100m OF CABLE)

IMPEDANCE,	100 ± 15 Ω 1 - 100 MHz
IMPEDANCE, SMOOTHED	100 ± 10 Ω TYPICAL 5 - 100 MHz
RETURN LOSS	$1 \leq f < 10 \text{ MHz}$ 20 + 5 LOG(f) dB MIN $10 \leq f < 20 \text{ MHz}$ 25 dB MIN $20 \leq f \leq 100 \text{ MHz}$ 25 - 8.6 LOG($f/20$) dB MIN
PS NEXT	$1 \leq f \leq 100 \text{ MHz}$ 32.3 - 15 LOG($f/100$) dB MIN
NEXT	$1 \leq f \leq 100 \text{ MHz}$ 35.3 - 15 LOG($f/100$) dB MIN
PS ACRF	$1 \leq f \leq 100 \text{ MHz}$ 20.8 - 20 LOG($f/100$) dB MIN
ACRF	$1 \leq f \leq 100 \text{ MHz}$ 23.8 - 20 LOG($f/100$) dB MIN
INSERTION LOSS	$1 \leq f \leq 100 \text{ MHz}$ $1.5[1.967\sqrt{(f)} + 0.023(f) + 0.050/\sqrt{(f)}]$ dB MAX
DELAY	$1 \leq f \leq 100 \text{ MHz}$ $534 + 36/\sqrt{(f)}$ ns MAX
DELAY SKEW	$1 \leq f \leq 100 \text{ MHz}$ <25 ns
LCL	$1 \leq f \leq 100 \text{ MHz}$ -38 dB MIN
VELOCITY OF PROPAGATION	68%

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DATE: