

1) CONSTRUCTION:

CONDUCTOR:	26 AWG 7/34 STRANDED TINNED COPPER	NOM. DIA.	.019"
INSULATION:	POLYOLEFIN, .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	OVERALL CABLE DIAMETER	.241"

2) PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX.	75°C
TEMPERATURE RATING, MIN.	-20°C
WT./M', NOM., NET.	28.2 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:

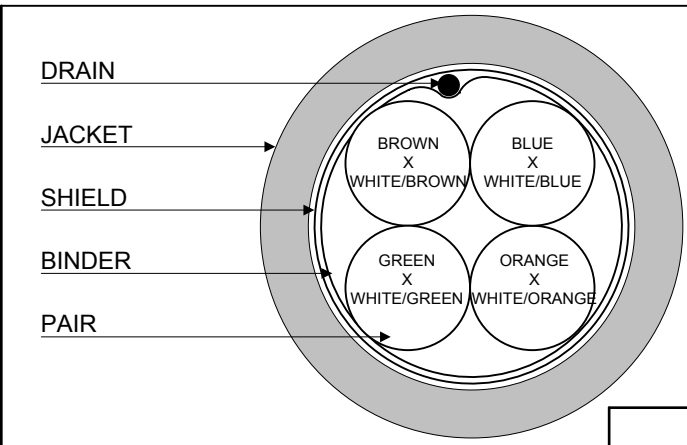
NEC (ETL) TYPE CMX
CEC C(ETL) TYPE CMX

5) APPLICATION:

SHIELDED FLEXIBLE PATCH/JUMPER CABLE TO SUPPORT SCREENED ISO 11801 CLASS D AND SCREENED 568-C.2 CATEGORY 5e APPLICATIONS. RoHS COMPLIANT MATERIALS.

6) PRINT:

QUABBIN DATAMAX 5e SCREENED 100 OHM PATCH CORD/JUMPER LOW SMOKE ZERO HALOGEN TIA-568-C.2 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

CUSTOMER APPROVAL:

DATE:

Created 3/8/11	DRAWN: SGH 05/31/18	
REV. 04	CHECKED: ZRS 06/01/18	
TITLE		
4PR. SHIELDED 100 OHM PATCH CORD/ JUMPER -- CATEGORY 5e -- TYPE CMX		
DRAWING #	QWC0017	1 of 2

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

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')
IMPEDANCE,	100 \pm 15 Ω 1 - 100 MHz
IMPEDANCE, SMOOTHED	100 \pm 10 Ω TYPICAL 5 - 100 MHz

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

NOTE: ALL TESTING IS CONDUCTED OFF THE REEL.

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TITLE 4PR. SHIELDED 100 OHM PATCH CORD/ JUMPER -- CATEGORY 5e -- TYPE CMX		
DRAWING #		QWC0017
		2 of 2

CUSTOMER APPROVAL:

DATE: