

1) CONSTRUCTION: NOM. DIA.  
 CONDUCTOR: 24 AWG 7/32 STRANDED TINNED COPPER .024"  
 INSULATION: HIGH DENSITY POLYETHYLENE, .0075" NOM. WALL THICKNESS .039"  
 PAIRS: COLOR CODED SINGLES TWISTED INTO PAIRS .078"  
 CABLE: (2) TWISTED PAIRS TWISTED TOGETHER TO FORM A CABLE CORE .114"  
 JACKET: POLYVINYLCHLORIDE, (**COLOR, PER CHART 1**), .023" NOM. WALL THICKNESS .200"  
(NOM. O.D. ACROSS WIDEST CROSS SECTION)

2) PHYSICAL PROPERTIES:  
 TEMPERATURE RATING, MAX. 75°C  
 TEMPERATURE RATING, MIN. -20°C  
 WT./M', NOM., NET. 14.2 LBS.  
 CHART 1:

QUABBIN P/N	JACKET COLOR
5200	BLACK
5201	BROWN
5202	RED
5203	ORANGE
5204	YELLOW
5205	GREEN
5206	BLUE
5207	VIOLET
5208	GRAY
5209	WHITE
5210	BEIGE
5212	PINK

3) ELECTRICAL CHARACTERISTICS:  
 SEE PAGE 2

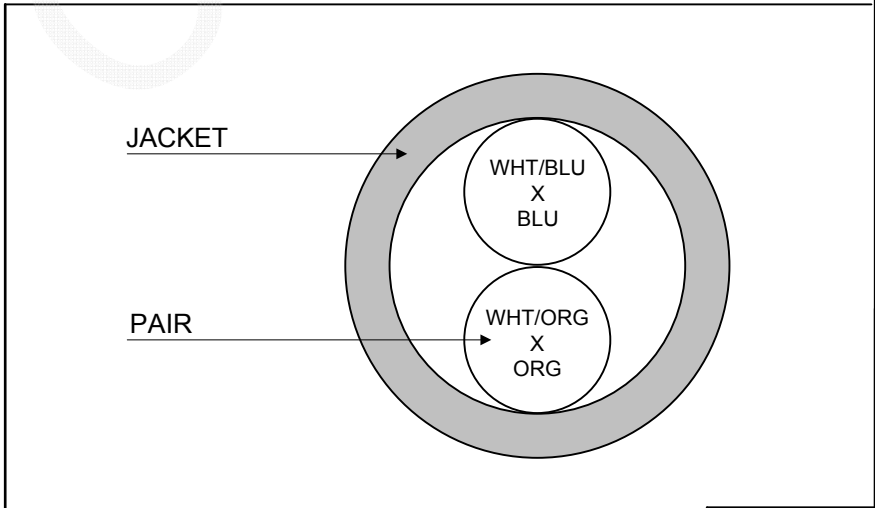
4) AGENCY APPROVALS:  
 NEC (UL) TYPE CM/CMG  
 CEC C(UL) TYPE CM/CMG  
 ETL VERIFIED TIA-568.2-D

5) APPLICATION:  
 JUMPER AND PATCH CABLE FOR CATEGORY 5e APPLICATIONS. RoHS COMPLIANT MATERIALS.

6) PRINT: (WHITE INK ON BLACK JACKET, ALL OTHERS BLACK INK)  
 QUABBIN DATAMAX PATCH CORD/JUMPER  
 P/N (**PER CHART 1**) -- TYPE CM C(UL)US CMG  
 24 AWG 75C -- ETL VERIF. TIA-568.2-D CAT 5e  
 -- RoHS -- (**LOT DESIGNATOR**) (**SEQUENTIAL FOOTAGE**)

7) COLOR CODE:  
 1. WHITE/BLUE X BLUE  
 2. WHITE/ORANGE X ORANGE

8) PACKAGING:  
 TO BE PACKAGED AS PER QWC'S  
 STANDARD PACKAGING



CUSTOMER APPROVAL:

DATE:

Created 12/17/10	DRAWN: SGH 02/14/19	
REV. 05	CHECKED: ZRS 02/14/19	
TITLE PATCH CABLE FOR CAT 5e		
QUABBIN P/N	QWC0007	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.	26.0 Ω/1000'
IMPEDANCE	100 ± 15 Ω 1-350 MHz
IMPEDANCE, SMOOTHED	100 ± 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

NEXT	$1 \leq f \leq 100$ MHz	35.3 - 15 LOG( $f/100$ ) dB MIN
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ACRF	$1 \leq f \leq 100$ MHz	23.8 - 20 LOG( $f/100$ ) dB MIN
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INSERTION LOSS	$1 \leq f \leq 100$ MHz	$1.2[1.967 \sqrt{f} + 0.023(f) + 0.050/\sqrt{f}]$ dB MAX
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DELAY	$1 \leq f \leq 100$ MHz	$534 + 36/\sqrt{f}$ ns MAX
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DELAY SKEW	$1 \leq f \leq 100$ MHz	<25 ns
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LCL	$1 \leq f \leq 100$ MHz	-38 dB MIN
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NOTE: ALL TESTING IS CONDUCTED OFF THE REEL.

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