

1) CONSTRUCTION:

CONDUCTOR:	24 AWG 7/32 STRANDED TINNED COPPER	NOM. DIA.	.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, ( <b>COLOR, PER CHART 1</b> ), .023" NOM. WALL THICKNESS (NOM. O.D. ACROSS WIDEST CROSS SECTION)		.200"

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:

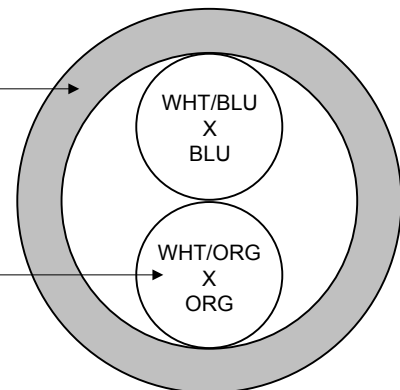
1. WHITE/BLUE X BLUE
2. WHITE/ORANGE X ORANGE

8) PACKAGING:

TO BE PACKAGED AS PER QWC'S  
STANDARD PACKAGING

JACKET

PAIR



Created 12/17/10	DRAWN: SGH 02/14/19
REV. 05	CHECKED: ZRS 02/14/19



CUSTOMER APPROVAL:

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TITLE

PATCH CABLE FOR CAT 5e

QUABBIN P/N	QWC0007	1 of 2
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## 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 $\Omega$ /1000'
IMPEDANCE	100 $\pm$ 15 $\Omega$ 1-350 MHz
IMPEDANCE, SMOOTHED	100 $\pm$ 10 $\Omega$ 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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