QWC0009

1) CONSTRUCTION:

		NOM. DIA.
CONDUCTOR:	24 AWG 7/32 STRANDED TINNED COPPER	.024"
INSULATION:	HIGH DENSITY POLYETHYLENE, .007" NOM. WALL THICKNESS	.038"
PAIRS:	COLOR CODED SINGLES TWISTED INTO PAIRS	.076"
CABLE:	(4) TWISTED PAIRS TWISTED TOGETHER TO FORM A CABLE CORE	
JACKET:	POLYVINYLCHLORIDE, **(COLOR, PER CHART 1)**, .021" NOM. WALL THICKNESS	
	OVERALL CABLE DIAMETER	.215"

2) PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX.	60°C & 75°C
TEMPERATURE RATING, MIN.	-20°C (COLD BEND TEST, PER UL 444, CSA C22.2 NO. 214)
WT./M', NOM., NET.	22.2 LBS.
BEND RADIUS, STATIC	1"

CHART 1:

QUABBIN P/N	JACKET COLOR
5500	BLACK
5501	BROWN
5502	RED
5503	ORANGE
5504	YELLOW
5505	GREEN
5506	BLUE
5507	VIOLET
5508	GRAY
5509	WHITE
5510	BEIGE
5511	LIGHT BLUE
5512	PINK
5515	LIME

3) ELECTRICAL CHARACTERISTICS:
SEE PAGE 2

4) AGENCY APPROVALS:
(UL) TYPE CMR
CSA TYPE CMG
ETL VERIFIED TO CAT 5e

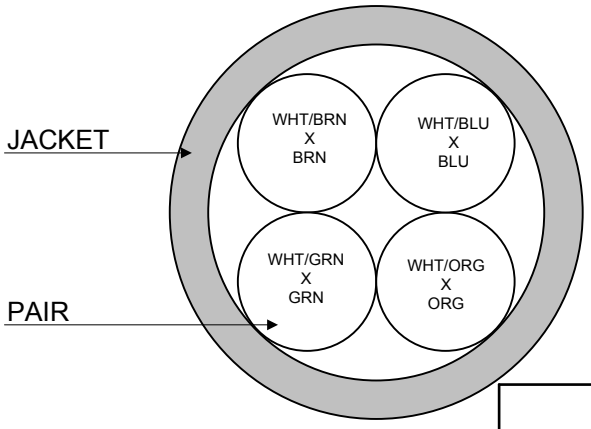
5) APPLICATION:
JUMPER AND PATCH CABLE FOR CATEGORY 5 AND 5e APPLICATIONS. SUPPORTS ATM APPLICATIONS TO 155 MHZ OR OTHER EXTENDED FREQUENCY APPLICATIONS. RoHS COMPLIANT MATERIALS.

6) PRINT: (WHITE INK ON BLACK JACKET, ALL OTHERS BLACK INK)
QUABBIN DATAMAX 5E 350 MHZ ISO 11801 PATCH CORD P/N **(P/N PER CHART 1*)** -- (UL) TYPE CMR 24 AWG 75C -- CSA LL51726 TYPE CMG 60C -- ETL VERIF. TIA-568-C.2 CAT 5e -- RoHS -- **(LOT DESIGNATOR) (SEQUENTIAL FOOTAGE)**

*NOTE: "R" MAY BE ADDED TO SOME P/N IN PRINT TO DISTINGUISH FROM PREVIOUS NON-RoHS PRODUCT

7) COLOR CODE:
1. WHITE/BLUE X BLUE
2. WHITE/ORANGE X ORANGE
3. WHITE/GREEN X GREEN
4. WHITE/BROWN X BROWN

8) PACKAGING:
1000 FOOT REELS
REEL IN A BOX AND BULK PUT-UPS AVAILABLE



Created 11/10/11	DRAWN: SGH 12/19/17	QUABBIN® WIRE & CABLE
REV. 03	CHECKED: JFR 12/19/17	

TITLE
CAT 5E PATCH CABLE

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CUSTOMER APPROVAL: **DATE:**

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.		26.0 Ω/1,000'
IMPEDANCE,		100 +/- 15 Ω 1-350 MHz
IMPEDANCE, SMOOTHED		100 +/- 10 Ω TYPICAL 5 - 100 MHz
RETURN LOSS	$1 \le f < 10$ MHz	$20 + 5 \log(f)$ dB MIN
	$10 \le f < 20$ MHz	25 dB MIN
	$20 \le f \le 100$ MHz	$25 - 8.6 \log(f/20)$ dB MIN
PS NEXT	$1 \le f \le 100$ MHz	$32.3 - 15 \log(f/100)$ dB MIN
NEXT	$1 \le f \le 100$ MHz	$35.3 - 15 \log(f/100)$ dB MIN
PS ACRF	$1 \le f \le 100$ MHz	$20.8 - 20 \log(f/100)$ dB MIN
ACRF	$1 \le f \le 100$ MHz	$23.8 - 20 \log(f/100)$ dB MIN
INSERTION LOSS	$1 \le f \le 100$ MHz	$1.2[1.967\sqrt{f} + 0.023(f) + 0.050/\sqrt{f}]$ dB MAX
DELAY	$1 \le f \le 100$ MHz	$534 + 36/\sqrt{f}$ ns
DELAY SKEW	$1 \le f \le 100$ MHz	<25 ns
LCL	$1 \le f \le 100$ MHz	-38 dB MIN

NOTE: ALL TESTING IS CONDUCTED OFF THE REEL.

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TITLE	CAT 5E PATCH CABLE		
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CUSTOMER APPROVAL: **DATE:**