

1) CONSTRUCTION:

CONDUCTOR:	24 AWG 7/32 STRANDED TINNED COPPER	NOM. DIA.	.024"
INSULATION:	HIGH DENSITY POLYETHYLENE, .007" NOM. WALL THICKNESS		.039" MAX
PAIRS:	COLOR CODED SINGLES TWISTED INTO PAIRS		.078"
CABLE:	(4) TWISTED PAIRS TWISTED TOGETHER AND WRAPPED WITH A CLEAR POLYESTER TAPE TO FORM A CABLE CORE		.163"
JACKET:	LOW SMOKE ZERO HALOGEN, (COLOR, PER CHART 1), .030" NOM. WALL THICKNESS	OVERALL CABLE DIAMETER	.223"

2) PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX.	75°C
TEMPERATURE RATING, MIN.	-20°C
WT./M', NOM., NET.	26.3 LBS.
FLAME RATING	VW-1
CORROSIVE GAS	IEC 60754-2
SMOKE EMISSION	IEC 61034-1 & -2

CHART 1:

QUABBIN P/N	JACKET COLOR
1200	BLACK
1201	BROWN
1202	RED
1203	ORANGE
1204	YELLOW
1205	GREEN
1206	BLUE
1207	VIOLET
1208	GRAY
1209	WHITE
1210	BEIGE
1212	PINK
1215	LIME

3) ELECTRICAL CHARACTERISTICS:  
SEE PAGE 2

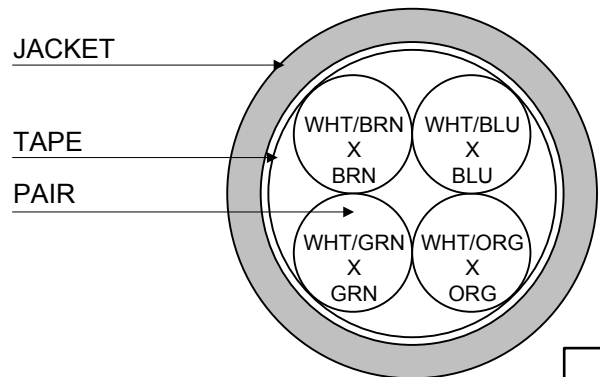
4) AGENCY APPROVALS:  
NEC (ETL) TYPE CMX  
CEC C(ETL) TYPE CMX

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 PATCH CORD/JUMPER P/N (QWC P/N PER CHART 1\*) LOW SMOKE ZERO HALOGEN TIA-568-C.2 CAT 5e -- C(ETL)US TYPE CMX 75C 24 AWG -- VW-1 -- RoHS -- (LOT DESIGNATOR) (SEQUENTIAL FOOTAGE)

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:  
TO BE PACKAGED AS PER QWC'S STANDARD PACKAGING



CUSTOMER APPROVAL:

DATE:

Created 3/15/12	DRAWN: BMD 02/13/14	
REV. 02	CHECKED: GBM 02/13/14	
TITLE		
DATAMAX CAT 5E PATCH CABLE -- LSZH -- TYPE CMX		
DRAWING #	QWC0033	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.	14.0 $\Omega$
IMPEDANCE	100 +/- 15 $\Omega$ 1-100 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
PSNEXT	$1 \leq f \leq 100$ MHz	32.3 - 15 LOG( $f/100$ ) dB MIN
NEXT	$1 \leq f \leq 100$ MHz	35.3 - 15 LOG( $f/100$ ) dB MIN
PSACRF	$1 \leq f \leq 100$ 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	$1.2 * [1.967 \sqrt{f} + 0.023(f) + 0.050/\sqrt{f}]$ dB MAX
DELAY	$1 \leq f \leq 100$ MHz	$534 + 36/\sqrt{f}$ ns MAX
DELAY SKEW	$1 \leq f \leq 100$ MHz	<25ns

NOTE: ALL TESTING IS CONDUCTED OFF THE REEL

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REV. 02	CHECKED: <sup>GBM</sup> 02/13/14	
TITLE DATAMAX CAT 5E PATCH CABLE -- LSZH -- TYPE CMX		
DRAWING #	QWC0033	2 of 2

CUSTOMER APPROVAL:

DATE: