

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 TO FORM A CABLE CORE		.160"
JACKET:	POLYVINYLCHLORIDE, (COLOR, PER CHART 1), .024" NOM. WALL THICKNESS		.220" MAX
	OVERALL CABLE DIAMETER		

2) PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX 60°C & 75°C  
 WT./M', NOM., NET. 22.2 LBS.

CHART 1:

QUABBIN P/N	JACKET COLOR
2200	BLACK
2201	BROWN
2202	RED
2203	ORANGE
2204	YELLOW
2205	GREEN
2206	BLUE
2207	VIOLET
2208	GRAY
2209	WHITE
2210	BEIGE
2211	LIGHT BLUE
2212	PINK
2213	AQUA
2215	LIME

3) ELECTRICAL CHARACTERISTICS:

SEE PAGE 2

4) AGENCY APPROVALS:

NEC (UL) TYPE CMR  
 CSA TYPE CMG

5) APPLICATION:

SUITABLE FOR FUTURE APPLICATIONS AND PROTOCOLS BEYOND 1000BASE-T (GIGABIT ETHERNET).  
 CABLE FITS STANDARD MODULAR PLUGS. RoHS COMPLIANT MATERIALS.

6) PRINT:

QUABBIN DATAMAX 6E 600 MHZ ENHANCED PATCH CORD P/N (QWC P/N PER CHART 1\*) -- (UL) TYPE CMR 24 AWG 75C --  
 CSA LL51726 TYPE CMG 60C -- TIA-568-C.2 CAT 6 -- RoHS -- (LOT DESIGNATOR) (SEQUENTIAL FOOTAGE)

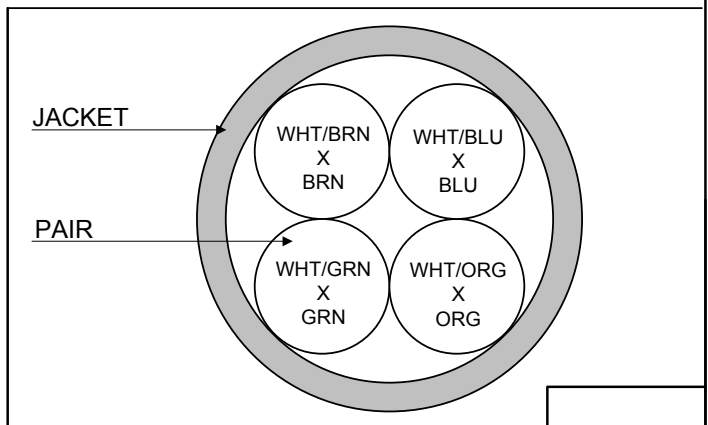
\*NOTE: "R" MAY BE ADDED TO P/N IN PRINT TO DISTINGUISH FROM PREVIOUS NON-RoHS PRODUCT

7) COLOR CODE:

1. WHITE/BLUE X BLUE
2. WHITE/ORANGE X ORANGE
3. WHITE/GREEN X GREEN
4. WHITE/BROWN X BROWN

8) PUT UPS

AVAILABLE IN STANDARD 1000 FT REELS OR IN LONGER BULK PUTUPS



Created 04/15/11	DRAWN:	BMD 1/12/12
REV. 03	CHECKED:	GBM 01/12/12



TITLE

DATAMAX 6 PATCH CABLE

DRAWING # QWC0021 1 of 2


CUSTOMER APPROVAL:

DATE:

## 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 $\Omega$	
IMPEDANCE	100 +/- 15 $\Omega$ 1-100 MHZ; 100 +/-20 $\Omega$ 100 TO 600 MHZ	
IMPEDANCE, SMOOTHED	100 +/- 3 $\Omega$ TYPICAL 5 - 500 MHZ	
SRL	23 DB 1-20 MHZ 23 - 10 LOG(F/20) 20-250 MHZ	
RETURN LOSS	1 - 10 MHZ	20 + 5 LOG (F) DB MIN
	10 - 20 MHZ	25 DB MIN
	20 - 500 MHZ	25 - 8.6 LOG(F/20) DB MIN
PS NEXT	1-250 MHZ	77 - 15 LOG (F/.772) MIN
	250-500 MHZ	74 - 15 LOG (F/.772) MIN
NEXT	1-250 MHZ	79.5 - 15 LOG (F/.772) MIN
	250-500 MHZ	76 - 15 LOG (F/.772) MIN
PS ELFEXT	1-500 MHZ	67 - 20 LOG(F/.772) MIN
ELFEXT	1-500 MHZ	70 - 20 LOG(F/.772) MIN
ATTENUATION	1-500 MHZ	1.2[1.82 SQRT(F) +.017(F) +.17/SQRT(F)]MAX
DELAY	1-500 MHZ	534 + 36/SQRT(F)
DELAY SKEW	1-500 MHZ	<25NS
LCL	1-500 MHZ	-38dB MIN

NOTE: ALL TESTING IS CONDUCTED OFF THE REEL.

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TITLE DATAMAX 6 PATCH CABLE		
DRAWING #		2 of 2

CUSTOMER APPROVAL:

DATE: