

1) CONSTRUCTION:

CONDUCTOR:	26 AWG 7/.0068 STRANDED TINNED COPPER	NOM. DIA.	.0202"
INSULATION:	HIGH DENSITY POLYETHYLENE, .008" NOM. WALL THICKNESS		.036" (.0365" MAX.)
PAIRS:	COLOR CODED SINGLES TWISTED INTO PAIRS		.072"
CABLE:	(4) TWISTED PAIRS TWISTED TOGETHER TO FORM A CABLE CORE		.160"
INNER JACKET:	POLYVINYLCHLORIDE, NATURAL, .039" NOM. WALL THICKNESS		
		DIAMETER	.233"
OUTER JACKET:	POLYVINYLCHLORIDE, (COLOR, PER CHART 1), .027" NOM. WALL THICKNESS		
		DIAMETER	.287" NOM ±.005"

2) PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX.	75°C
TEMPERATURE RATING, MIN.	-20°C
WT./M', NOM., NET.	41.1 LBS.

CHART 1:

QUABBIN P/N	JACKET COLOR
2954	BLACK
2955	BROWN
2956	RED
2957	ORANGE
2958	YELLOW
2959	GREEN
2960	BLUE
2961	VIOLET
2962	GRAY
2963	WHITE
2964	BEIGE
2965	PINK

3) ELECTRICAL CHARACTERISTICS:

SEE PAGE 2

4) AGENCY APPROVALS:

NEC (UL) TYPE CMR  
CEC C(UL) TYPE CMR

5) APPLICATION:

DESIGNED TO FIT MOST MODULAR PLUGS. RoHS COMPLIANT MATERIALS.

6) PRINT: (WHITE INK ON BLACK JACKET, ALL OTHERS BLACK INK)

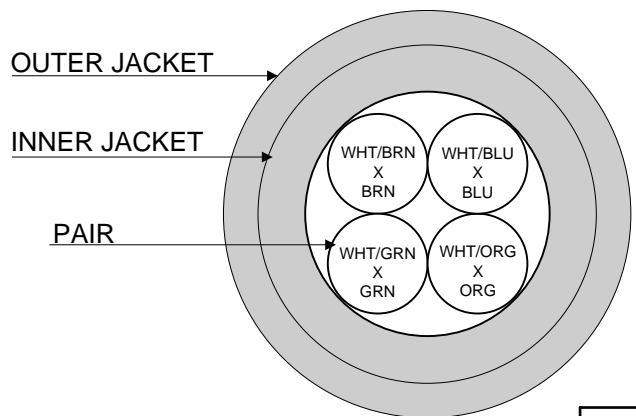
QUABBIN DATAMAX CAT 6a PATCH CORD P/N (QWC P/N PER CHART 1) -- TYPE CMR C(UL)US 26 AWG 75C -- CAT 6a TIA-568-C.2 -- RoHS -- (LOT DESIGNATOR) (SEQUENTIAL FOOTAGE)

7) COLOR CODE:

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

8) PUT UPS

AVAILABLE IN STANDARD 1000 FT REELS



Created 3/28/11	DRAWN: BMD 08/13/15	
REV. 03	CHECKED: GBM 08/13/15	
TITLE DATAMAX CAT 6a PATCH CABLE		
QUABBIN P/N	QWC0010	1 of 2


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.	14.0 Ω	
IMPEDANCE, NOM.	100 +/- 15 Ω 1-100 MHz	
	100 +/-20 Ω 100 TO 500 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 - 500 MHz	42.3 - 15 LOG (F/100) dB MIN
NEXT	1 - 500MHz	44.3 - 15 LOG (F/100) dB MIN
PS ELFEXT	1 - 500 MHz	24.8 - 20 LOG(F/100) dB MIN
ELFEXT	1 - 500 MHz	27.8 - 20 LOG(F/100) dB MIN
INSERTION LOSS	1 - 500 MHz	1.5 [1.82 SQRT(F) +.0091(F) +.25/SQRT(F)] dB MAX
DELAY	1 - 500 MHz	534 + 36/SQRT(F) dB
DELAY SKEW	1 - 500 MHz	<45NS
PS ANEXT LOSS (6 AROUND 1)	1 - 500 MHz	62.5 - 15 LOG (F/100) dB
		67 dB
		50 - 500 MHz
		1 - 50 MHz
PS AFEXT (6 AROUND 1)	1 - 500 MHz	38.2 - 20 LOG(F/100) dB

NOTE: ALL TESTING IS CONDUCTED OFF THE REEL.

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TITLE		
DATAMAX CAT 6a PATCH CABLE		
QUABBIN P/N	QWC0010	2 of 2

CUSTOMER APPROVAL:

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