

1) CONSTRUCTION:		NOM. DIA.
CONDUCTOR:	26 AWG 7/34 STRANDED TINNED COPPER	.019"
INSULATION:	POLYOLEFIN, .009" NOM. WALL THICKNESS	.036"
PAIRS:	COLOR CODED SINGLES TWISTED INTO PAIRS	.072"
CABLE:	(4) TWISTED PAIRS TWISTED TOGETHER WITH A CENTRAL SPLINE AND WRAPPED WITH A CLEAR POLYESTER BINDER TO FORM A CABLE CORE.	.205"
SHIELD:	AN ALUMINIZED POLYESTER FOIL SHIELD (FOIL IN, 100% COVERAGE) WITH A 26 AWG 7/34 STRANDED TINNED COPPER DRAIN WIRE IN CONTACT WITH METALIZED SURFACE SHALL BE APPLIED OVER THE CABLE CORE.	.208"
JACKET:	POLYVINYLCHLORIDE, (COLOR, PER CHART 1), .024" NOM. WALL THICKNESS	.235" NOM.
	OVERALL CABLE DIAMETER	.242" MAX. (BY PI TAPE)

2) PHYSICAL PROPERTIES:
 TEMPERATURE RATING, MAX. 75°C
 TEMPERATURE RATING, MIN. -20°C
 WT./M', NOM., NET. 25.0 LBS.
 CHART 1:

QUABBIN P/N	JACKET COLOR
2942	BLACK
2943	BROWN
2944	RED
2945	ORANGE
2946	YELLOW
2947	GREEN
2948	BLUE
2949	VIOLET
2950	GRAY
2951	WHITE
2952	BEIGE
2953	PINK

3) ELECTRICAL CHARACTERISTICS:
 SEE PAGE 2

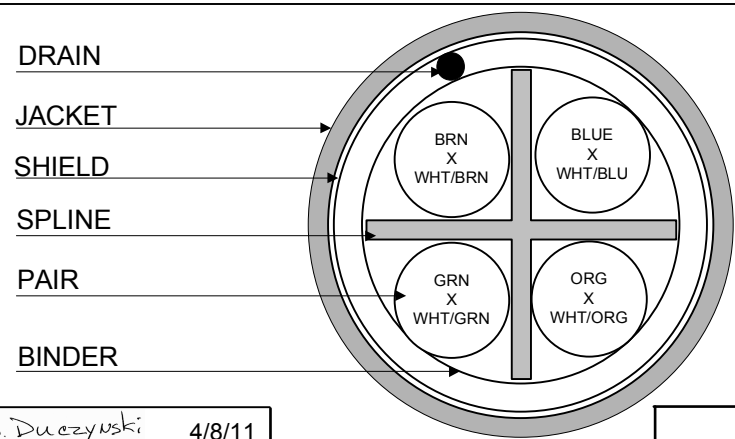
4) AGENCY APPROVALS:
 NEC (UL) TYPE CM
 CEC C(UL) TYPE CMG

5) APPLICATION:
 SHIELDED FLEXIBLE PATCH/JUMPER CABLE TO SUPPORT SCREENED 568-C.2 CATEGORY 6a APPLICATIONS.
 RoHS COMPLIANT MATERIALS.

6) PRINT: (WHITE INK ON BLACK JACKET, ALL OTHERS BLACK INK)
 QUABBIN DATAMAX 6a F/UTP 100 OHM PATCH CORD P/N (QWC P/N PER CHART 1*) -- TYPE CM (UL) C(UL) CMG 4 PR
 26 AWG SHIELDED 75C -- CAT 6a TIA-568-C.2 --
 RoHS -- (LOT DESIGNATOR)
 (SEQUENTIAL FOOTAGE)

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

8) PACKAGING:
 TO BE PACKAGED AS PER QWC'S
 STANDARD PACKAGING




REVISION 01	DATE:	DRAWN <i>B. Duczynski</i> 4/8/11	
REVISED BY		CHECKED <i>G. Munro</i> 04/11/11	
CHECKED		CHECKED	
CHECKED		CUSTOMER APPROVAL: DATE:	TITLE 4PR. SHIELDED 100 OHM PATCH CORD -- CATEGORY 6a
			DRAWING # QWC0023 1 OF 2

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 - 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 - 500 MHZ	44.3 - 15 LOG (F/100) dB MIN
PS ACRF	1 - 500 MHZ	24.8 - 20 LOG(F/100) dB MIN
ACRF	1 - 500 MHZ	27.8 - 20 LOG(F/100) dB MIN
ATTENUATION	1 - 500 MHZ	1.5[1.82 SQRT(F) + .0091(F) + .25/SQRT(F)] dB MAX
DELAY	1 - 500 MHZ	534 + 36/SQRT(F)
DELAY SKEW	1 - 500 MHZ	<25NS
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
VELOCITY OF PROPAGATION	68%	

NOTE: ALL TESTING IS CONDUCTED OFF THE REEL.

REVISION 01	DATE:	DRAWN <i>B. Duczynski</i> 4/8/11	
REVISED BY		CHECKED <i>G. Murre</i> 04/11/11	
CHECKED		CHECKED	
CHECKED		CUSTOMER APPROVAL: DATE:	TITLE 4PR. SHIELDED 100 OHM PATCH CORD -- CATEGORY 6a
			DRAWING # QWC0023
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