

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) WITH A 26 AWG TINNED COPPER DRAIN WIRE IN CONTACT WITH METALIZED SURFACE (100% COVERAGE) SHALL BE APPLIED OVER THE CABLE CORE.	.208"
JACKET:	POLYVINYLCHLORIDE, VIOLET, .024" NOM. WALL THICKNESS	.235" NOM. .240" MAX. (BY PI TAPE)
	OVERALL CABLE DIAMETER	

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

3) ELECTRICAL CHARACTERISTICS:
SEE PAGE 2

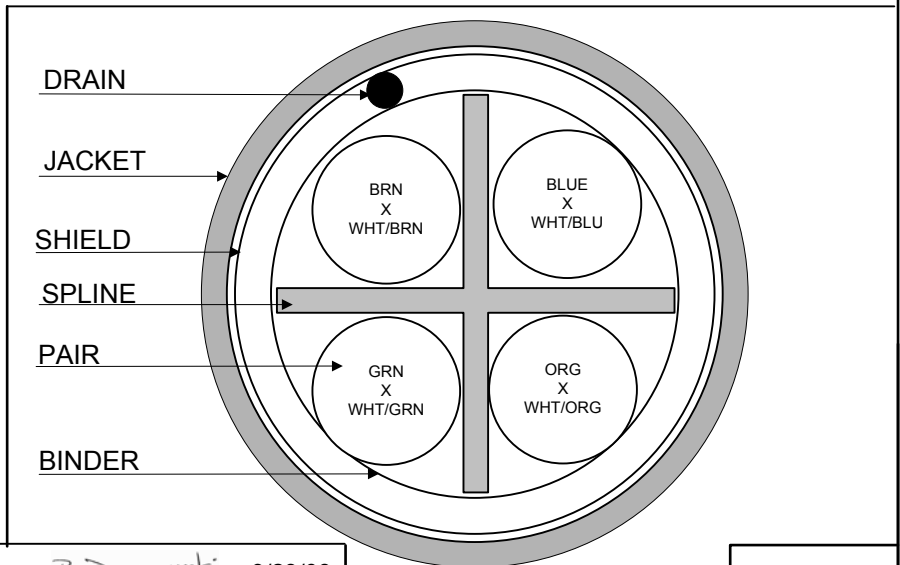
4) AGENCY APPROVALS:
NEC (UL) TYPE CM
CEC C(UL) TYPE CMG

5) APPLICATION:
SHIELDED FLEXIBLE PATCH/JUMPER CABLE TO SUPPORT SCREENED 568-B.2.1 CATEGORY 6 APPLICATIONS.
RoHS COMPLIANT MATERIALS.

6) PRINT:
QUABBIN DATAMAX 6 F/UTP 100 OHM PATCH CORD P/N 2937R -- TYPE CM (UL) C(UL) CMG 4 PR 26 AWG SHIELDED 75C -- 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 02	DATE:	DRAWN <i>B. Duczynski</i> 9/23/08	
REVISED BY <i>B. Duczynski</i> 3/20/09	CHECKED <i>G. Mummie</i> 09/23/08		
CHECKED <i>G. Mummie</i> 03/23/09	CHECKED		
CHECKED	CUSTOMER APPROVAL:	DATE:	TITLE 4PR. SHIELDED 100 OHM PATCH CORD -- CATEGORY 6
			QUABBIN P/N 2937 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 1-250 MHZ	
IMPEDANCE, SMOOTHED	100 ± 10 Ω TYPICAL 5 - 250 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 - 250 MHZ	25- 8.6 LOG(F/20) DB MIN
PS NEXT	1-250 MHZ	42.3 - 15 LOG (F/100) MIN
NEXT	1-250 MHZ	44.3 - 15 LOG (F/100) MIN
PS ELFEXT	1-250 MHZ	24.8 - 20 LOG(F/100) MIN
ELFEXT	1-250 MHZ	27.8 - 20 LOG(F/100) MIN
ATTENUATION	1-250 MHZ	1.5[1.808 SQRT(F) + .017(F) + .2/SQRT(F)]MAX
DELAY	1-250 MHZ	534 + 36/SQRT(F)
DELAY SKEW	1-250 MHZ	<25NS
VELOCITY OF PROPAGATION	68%	

NOTE: ALL TESTING IS CONDUCTED OFF THE REEL.

REVISION 02	DATE:	DRAWN <i>B. Duczynski</i> 9/23/08	
REVISED BY <i>B. Duczynski</i> 3/20/09	CHECKED <i>G. Munn</i> 09/23/08		
CHECKED <i>G. Munn</i> 03/23/09	CHECKED		
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			QUABBIN P/N 2937
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