

1) CONSTRUCTION:		NOM. DIA.
CONDUCTOR:	26 AWG 7/34 STRANDED TINNED COPPER	.019"
INSULATION:	POLYOLEFIN, .010" NOM. WALL THICKNESS	.039"
PAIRS:	COLOR CODED SINGLES TWISTED INTO PAIRS	.078"
CABLE:	(4) TWISTED PAIRS TWISTED TOGETHER TO FORM A CABLE CORE WRAPPED WITH A CLEAR POLYESTER BINDER.	.162"
SHIELD:	AN ALUMINIZED POLYESTER FOIL SHIELD (FOIL IN, 100% COVERAGE) WITH A 26 AWG TINNED COPPER DRAIN WIRE IN CONTACT WITH METALIZED SURFACE SHALL BE APPLIED OVER THE CABLE CORE.	.168"
JACKET:	POLYVINYLCHLORIDE, ( <b>COLOR, PER CHART 1</b> ), .021" NOM. WALL THICKNESS	.200" MIN. .210" NOM. .220" MAX. (BY PI TAPE)
	OVERALL CABLE DIAMETER	

2) PHYSICAL PROPERTIES:  
 TEMPERATURE RATING, MAX. 75°C  
 TEMPERATURE RATING, MIN. -20°C  
 WT./M', NOM., NET. 21.3 LBS.

CHART 1:

QUABBIN P/N	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2912
JACKET COLOR	BLACK	BROWN	RED	ORANGE	YELLOW	GREEN	BLUE	VIOLET	GRAY	WHITE	BEIGE	PINK

3) ELECTRICAL CHARACTERISTICS:  
 SEE PAGE 2

4) AGENCY APPROVALS:  
 NEC (UL) TYPE CM  
 CEC C(UL) TYPE CM  
 ETL VERIFIED TO TIA-568-C.2 CAT 5e

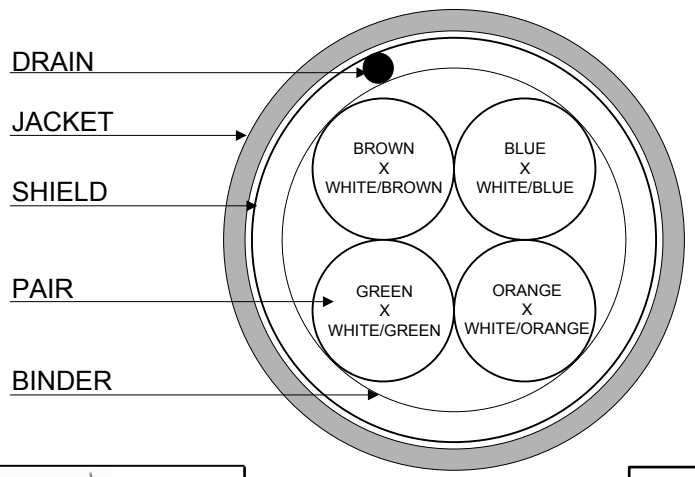
5) APPLICATION: (WHITE PRINT)  
 SHIELDED FLEXIBLE PATCH/JUMPER CABLE TO SUPPORT SCREENED ISO 11801 CLASS D AND SCREENED 568-C.2 CATEGORY 5e APPLICATIONS. RoHS COMPLIANT MATERIALS.

6) PRINT: (WHITE INK ON BLACK JACKET, ALL OTHERS BLACK INK)  
 QUABBIN DATAMAX 5e SCREENED 100 OHM PATCH CORD ISO 11801 P/N (**QWC P/N PER CHART 1\***) -- TYPE CM (UL) C(UL) 26 AWG 75C -- ETL VERIFIED TO TIA-568-C.2 CAT 5e -- 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. 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. Duczyński</i> 1/25/11	
REVISED BY		CHECKED <i>J. Ruenicker</i> 1/25/11	
CHECKED		CHECKED	
CHECKED		CUSTOMER APPROVAL: DATE:	TITLE 4PR. SHIELDED 100 OHM PATCH CORD/JUMPER -- CATEGORY 5e
			DRAWING # QWC0014 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 RMS	
D.C. RESISTANCE, MAX.	42.6 $\Omega$ /1000'	
IMPEDANCE	100+/- 15 $\Omega$ 1-100 MHZ	
IMPEDANCE, SMOOTHED	100 +/- 10 $\Omega$ TYPICAL 5 - 100 MHZ	
SRL	23 DB 1-20 MHZ	
	23 - 10 LOG(F/20) 20-100 MHZ	
RETURN LOSS	1 - 10 MHZ	20 + 5 LOG (F) DB MIN
	10 - 20 MHZ	25 DB MIN
	20 - 100 MHZ	25- 8.6 LOG(F/20) DB MIN
PS NEXT	1-100 MHZ	64 - 15 LOG (F/.772) MIN
NEXT	1-100 MHZ	67 - 15 LOG (F/.772) MIN
PS ELFEXT	1-100 MHZ	63 - 20 LOG(F/.772) MIN
ELFEXT	1-100 MHZ	66 - 20 LOG(F/.772) MIN
ATTENUATION	1-100 MHZ	1.5[1.967 SQRT(F) +.023(F) +.05/SQRT(F)]MAX
DELAY	1-100 MHZ	534 + 36/SQRT(F)
DELAY SKEW	1-100 MHZ	<25NS
LCL	1-100 MHZ	-38dB MIN
VELOCITY OF PROPAGATION	68%	

NOTE: ALL TESTING IS CONDUCTED OFF THE REEL.

REVISION 01	DATE:	DRAWN <i>B. Duczyski</i> 1/25/11	
REVISED BY		CHECKED <i>J. Kromer</i> 1/25/11	
CHECKED		CHECKED	
CHECKED		CUSTOMER APPROVAL:	DATE:
DRAWING #			QWC0014
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