

1) CONSTRUCTION:

CONDUCTOR:	26 AWG 7/34 STRANDED TINNED COPPER	NOM. DIA.
INSULATION:	POLYOLEFIN, .009" NOM. WALL THICKNESS	.019"
PAIRS:	COLOR CODED SINGLES TWISTED INTO PAIRS	.036"
CABLE:	(4) TWISTED PAIRS TWISTED TOGETHER WITH A CENTRAL SPLINE AND WRAPPED WITH A CLEAR POLYESTER BINDER TO FORM A CABLE CORE.	.072"
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.	.205"
JACKET:	POLYVINYLCHLORIDE, (COLOR, PER CHART 1), .024" NOM. WALL THICKNESS	.208"
	OVERALL CABLE DIAMETER	.235" NOM. .240" 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
2930	BLACK
2931	BROWN
2932	RED
2933	ORANGE
2934	YELLOW
2935	GREEN
2936	BLUE
2937	VIOLET
2938	GRAY
2939	WHITE
2940	BEIGE
2941	PINK

3) ELECTRICAL CHARACTERISTICS:  
SEE PAGE 2

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

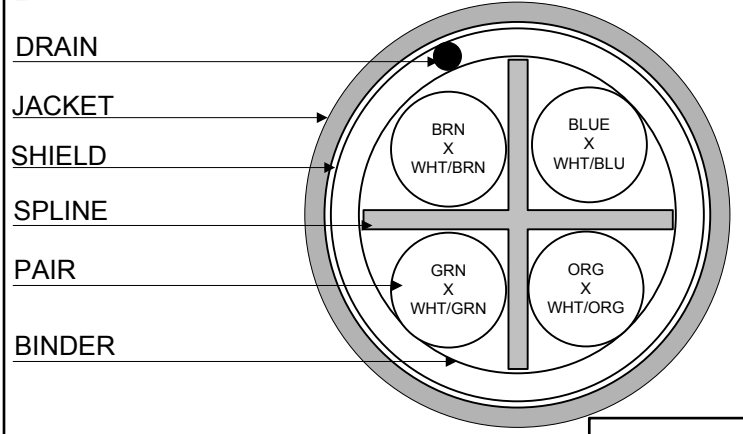
5) APPLICATION:  
SHIELDED FLEXIBLE PATCH/JUMPER CABLE TO SUPPORT SCREENED 568-C.2 CATEGORY 6 APPLICATIONS.  
RoHS COMPLIANT MATERIALS.

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




Created 3/19/12	DRAWN: BMD 1/4/13	
REV. 02	CHECKED: GBM 01/04/13	
TITLE 4PR. SHIELDED 100 OHM PATCH CORD -- CATEGORY 6		
DRAWING#	QWC0034	
		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 1-250 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.

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TITLE 4PR. SHIELDED 100 OHM PATCH CORD -- CATEGORY 6		
DRAWING#	QWC0034	2 of 2

CUSTOMER APPROVAL:

DATE: