

1) CONSTRUCTION:

CONDUCTOR:	26 AWG 7/34 STRANDED TINNED COPPER	NOM. DIA.	.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, ( <b>COLOR, PER CHART 1</b> ), .024" NOM. WALL THICKNESS	OVERALL CABLE DIAMETER	.235" NOM. .240" MAX.

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)**

DRAIN

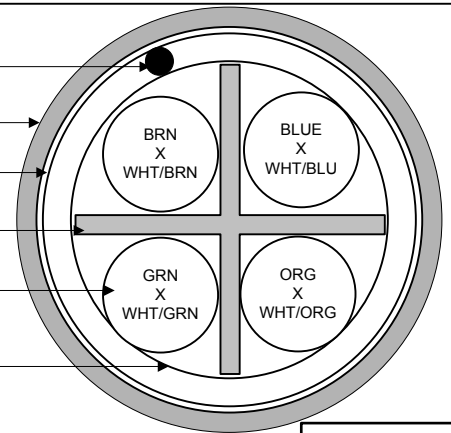
JACKET

SHIELD

SPLINE

PAIR

BINDER



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	BMD DRAWN: 03/03/15
REV. 03	GBM CHECKED: 03/04/15



TITLE  
4PR. SHIELDED 100 OHM PATCH CORD  
-- CATEGORY 6

CUSTOMER APPROVAL:

DATE:

DRAWING# QWC0034


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
D.C. RESISTANCE, NOM.	14 Ω
IMPEDANCE, NOM.	100 +/- 15 Ω 1-250 MHz
IMPEDANCE, SMOOTHED	100 +/- 10 Ω TYPICAL 5 - 250 MHz

RETURN LOSS	1 ≤ f < 10 MHz	20 + 5 LOG (f) dB MIN
	10 ≤ f < 20 MHz	25 dB MIN
	20 ≤ f ≤ 250 MHz	25 - 8.6 LOG(f/20) dB MIN
PS NEXT	1 ≤ f ≤ 250 MHz	42.3 - 15 LOG(f/100) dB MIN
NEXT	1 ≤ f ≤ 250 MHz	44.3 - 15 LOG(f/100) dB MIN
PSACRF	1 ≤ f ≤ 250 MHz	24.8 - 20 LOG(f/100) dB MIN
ACRF	1 ≤ f ≤ 250 MHz	27.8 - 20 LOG(f/100) dB MIN
INSERTION LOSS	1 ≤ f ≤ 250 MHz	1.5[1.808 √f + 0.017(f) + 0.2/√f ] dB MAX
DELAY	1 ≤ f ≤ 250 MHz	534 + 36/√f ns MAX
DELAY SKEW	1 ≤ f ≤ 250 MHz	<45ns
VELOCITY OF PROPAGATION	68%	

NOTE: ALL TESTING IS CONDUCTED OFF THE REEL.

Created 3/19/12	DRAWN: BMD 03/03/15	
REV. 03	CHECKED: GBM 03/04/15	
TITLE 4PR. SHIELDED 100 OHM PATCH CORD -- CATEGORY 6		
DRAWING#	QWC0034	2 of 2

CUSTOMER APPROVAL:

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