

1) CONSTRUCTION:

CONDUCTOR:	26 AWG 7/34 STRANDED TINNED COPPER	NOM. DIA.	.019"
INSULATION:	HIGH DENSITY POLYETHYLENE, .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 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	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.	24.5 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 568.2-D 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 -- FT4/IEEE 1202 --
CAT 6 TIA-568.2-D -- 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

DRAIN

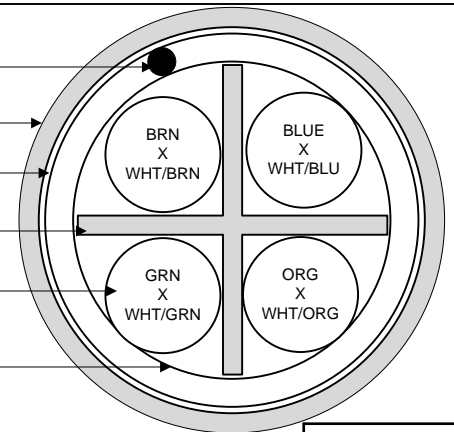
JACKET

SHIELD

SPLINE

PAIR

BINDER



Created 03/19/12	DRAWN: SGH 01/22/21
REV. 04	CHECKED: ZRS 01/27/21



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

CUSTOMER APPROVAL:

DATE:

DRAWING# QWC0034


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3) ELECTRICAL CHARACTERISTICS:

CAPACITANCE, MUTUAL, NOM.	13.5 PF/FT. AT 1 MHz
DIELECTRIC WITHSTANDING, MIN.	1500V RMS
VOLTAGE RATING, MAX.	300V
D.C. RESISTANCE, NOM.	42.6 Ω /1,000' (14 Ω /100m)

NOTE: TESTING FOR THE FOLLOWING IS CONDUCTED OFF THE REEL. (FOR 100m OF CABLE)

IMPEDANCE, NOM.	100 \pm 15 Ω 1 – 250 MHz
IMPEDANCE, SMOOTHED	100 \pm 10 Ω TYPICAL 5 – 250 MHz
RETURN LOSS	$1 \leq f < 10$ MHz 20 + 5 LOG (f) dB MIN $10 \leq f < 20$ MHz 25 dB MIN $20 \leq f \leq 250$ MHz 25 – 8.6 LOG(f/20) dB MIN
PS NEXT	$1 \leq f \leq 250$ MHz 42.3 – 15 LOG(f/100) dB MIN
NEXT	$1 \leq f \leq 250$ MHz 44.3 – 15 LOG(f/100) dB MIN
PSACRF	$1 \leq f \leq 250$ MHz 24.8 – 20 LOG(f/100) dB MIN
ACRF	$1 \leq f \leq 250$ MHz 27.8 – 20 LOG(f/100) dB MIN
INSERTION LOSS	$1 \leq f \leq 250$ MHz 1.5[1.808 \sqrt{f} + 0.017(f) + 0.2/ \sqrt{f}] dB MAX
DELAY	$1 \leq f \leq 250$ MHz 534 + 36/ \sqrt{f} ns MAX
DELAY SKEW	$1 \leq f \leq 250$ MHz <45ns
VELOCITY OF PROPAGATION	68%

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

CUSTOMER APPROVAL: _____ DATE: _____