

1) CONSTRUCTION:

CONDUCTOR: 26 AWG 7/34 STRANDED TINNED COPPER  
 INSULATION: HIGH DENSITY POLYETHYLENE, .009" NOM. WALL THICKNESS  
 PAIRS: COLOR CODED SINGLES TWISTED INTO PAIRS  
 CABLE: (4) TWISTED PAIRS TWISTED TOGETHER AND WRAPPED WITH A CLEAR POLYESTER BINDER TO FORM A CABLE CORE.  
 SHIELDS: AN OVERALL ALUMINIZED POLYESTER FOIL SHIELD (FOIL OUT, 100% COVERAGE) SHALL BE APPLIED OVER THE CABLE CORE AND SHALL CONTAIN A 26 AWG 7/34 STRANDED TINNED COPPER DRAIN WIRE IN CONTACT WITH THE METALIZED SURFACE. A SECOND SHIELD OF 38 AWG TINNED COPPER BRAID (85% MINIMUM COVERAGE), SHALL BE APPLIED OVER THE FOIL SHIELD.  
 JACKET: POLYVINYLCHLORIDE, (**COLOR, PER CHART 1**), .026" NOM. WALL THICKNESS  
 OVERALL CABLE DIAMETER

NOM. DIA.  
 .019"  
 .036" (± .001")  
 .072"  
 .153"  
 .173" MAX.  
 .217" (± .010")  
 (BY PI TAPE)

2) PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX. 75°C  
 TEMPERATURE RATING, MIN. -20°C  
 WT./M', NOM., NET. 31.8 LBS.

CHART 1:

QUABBIN P/N	JACKET COLOR
2510	BLUE
2511	WHITE
2512	BEIGE
2513	LIGHT GRAY
2514	YELLOW

3) ELECTRICAL CHARACTERISTICS:

SEE PAGE 2

4) AGENCY APPROVALS:

NEC (UL) TYPE CM  
 CEC C(UL) TYPE CM

5) APPLICATION:

SHIELDED PATCH CABLE TO SUPPORT SCREENED TIA-568.2-D CATEGORY 5e APPLICATIONS.  
 RoHS COMPLIANT MATERIALS.

6) PRINT: (BLACK INK)

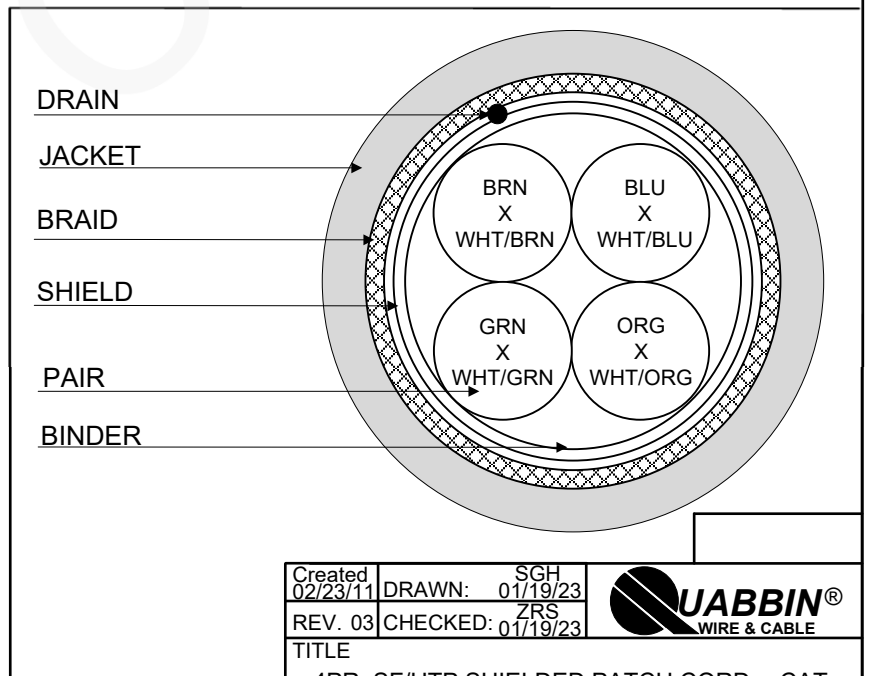
QUABBIN DATAMAX CAT 5e SF/UTP PATCH CORD ISO 11801 P/N (**P/N PER CHART 1**) -- TYPE CM C(UL)US 4 PR 26 AWG 75C -- RoHS -- (**LOT DESIGNATOR**) (**SEQUENTIAL FOOTAGE**)

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



CUSTOMER APPROVAL:

DATE:


Created 02/23/11	DRAWN: SGH 01/19/23	
REV. 03	CHECKED: ZRS 01/19/23	
TITLE 4PR. SF/UTP SHIELDED PATCH CORD -- CAT 5e -- TYPE C(UL)US CM		
DRAWING#: QWC0016		1 of 2

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, MAX.	42.6 Ω/1,000'

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

IMPEDANCE,	100 ± 15 Ω 1 - 100 MHz
IMPEDANCE, SMOOTHED	100 ± 10 Ω TYPICAL 5 - 100 MHz
RETURN LOSS	$1 \leq f < 10 \text{ MHz}$ 20 + 5 LOG( $f$ ) dB MIN $10 \leq f < 20 \text{ MHz}$ 25 dB MIN $20 \leq f \leq 100 \text{ MHz}$ 25 - 8.6 LOG( $f/20$ ) dB MIN
PS NEXT	$1 \leq f \leq 100 \text{ MHz}$ 32.3 - 15 LOG( $f/100$ ) dB MIN
NEXT	$1 \leq f \leq 100 \text{ MHz}$ 35.3 - 15 LOG( $f/100$ ) dB MIN
PS ACRF	$1 \leq f \leq 100 \text{ MHz}$ 20.8 - 20 LOG( $f/100$ ) dB MIN
ACRF	$1 \leq f \leq 100 \text{ MHz}$ 23.8 - 20 LOG( $f/100$ ) dB MIN
INSERTION LOSS	$1 \leq f \leq 100 \text{ MHz}$ 1.5[1.967 $\sqrt{f}$ + 0.023( $f$ ) + 0.050/ $\sqrt{f}$ ] dB MAX
DELAY	$1 \leq f \leq 100 \text{ MHz}$ 534 + 36/ $\sqrt{f}$ ns MAX
DELAY SKEW	$1 \leq f \leq 100 \text{ MHz}$ <45 ns
VELOCITY OF PROPAGATION	71%

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