

- 1) CONSTRUCTION:
- |   |  |
|---|--|
| CONDUCTOR: 26 AWG 7/34 STRANDED TINNED COPPER   | NOM. DIA.<br>.019"   |
| INSULATION: HIGH DENSITY POLYETHYLENE, .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> ), .024" NOM. WALL THICKNESS   | OVERALL CABLE DIAMETER<br>.212" MIN.<br>.222" NOM.<br>.232" MAX.<br>(BY PI TAPE) |

- 2) PHYSICAL PROPERTIES:
- TEMPERATURE RATING, MAX. 75°C  
 TEMPERATURE RATING, MIN. -20°C  
 WT./M', NOM., NET. 22.2 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

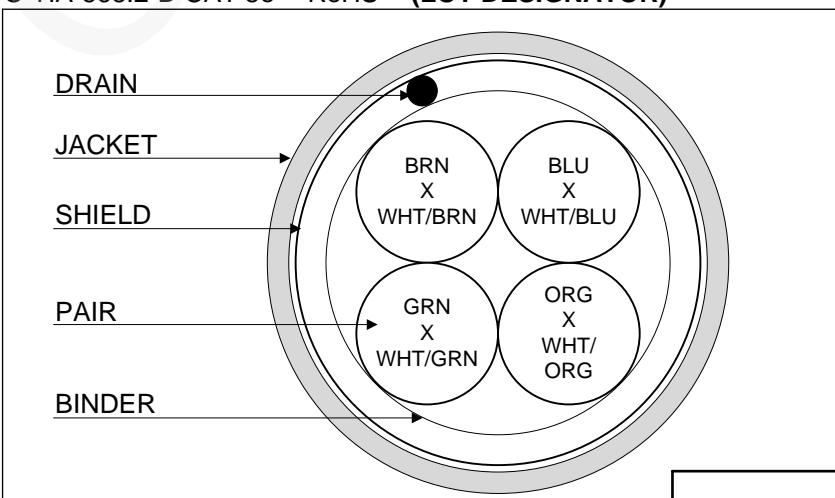
- 4) AGENCY APPROVALS:  
 NEC (UL) TYPE CMR  
 CEC C(UL) TYPE CMR  
 ETL VERIFIED TO TIA-568.2-D CAT 5e

- 5) APPLICATION: (WHITE PRINT)  
 SHIELDED FLEXIBLE PATCH/JUMPER CABLE TO SUPPORT SCREENED ISO 11801 CLASS D AND SCREENED 568.2-D CATEGORY 5e APPLICATIONS. COMPLIES WITH APPLICABLE PARTS OF IEEE 802.3. 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 CMR C(UL)US 26 AWG 75C -- ETL VERIFIED TO TIA-568.2-D CAT 5e -- 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 1/25/11	DRAWN: BMD 11/16/20	
REV. 04	CHECKED: ZRS 11/16/20	
TITLE 4PR. SHIELDED 100 OHM PATCH CORD/JUMPER -- CATEGORY 5e		
DRAWING #		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 RMS
D.C. RESISTANCE, MAX.	42.6 Ω/1000'

**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 ≤ f < 10 MHz	20 + 5 LOG(f) dB MIN
	10 ≤ f < 20 MHz	25 dB MIN
	20 ≤ f ≤ 100 MHz	25 – 8.6 LOG(f/20) dB MIN
PS NEXT	1 ≤ f ≤ 100 MHz	32.3 – 15 LOG (f/100) dB MIN
NEXT	1 ≤ f ≤ 100 MHz	35.3 – 15 LOG (f/100) dB MIN
PS ACRF	1 ≤ f ≤ 100 MHz	20.8 – 20 LOG(f/100) dB MIN
ACRF	1 ≤ f ≤ 100 MHz	23.8 – 20 LOG(f/100) dB MIN
INSERTION LOSS	1 ≤ f ≤ 100 MHz	1.5[1.967√(f) + 0.023(f) + 0.050/√(f)] dB MAX
DELAY	1 ≤ f ≤ 100 MHz	534 + 36/√(f)
DELAY SKEW	1 ≤ f ≤ 100 MHz	<25 ns
LCL	1 ≤ f ≤ 100 MHz	-38 dB MIN
VELOCITY OF PROPAGATION	68%	

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DRAWING #		2 of 2

CUSTOMER APPROVAL:

DATE: