

- 1) CONSTRUCTION:
- | | |
|---|--|
| CONDUCTOR: 26 AWG 7/34 STRANDED TINNED COPPER | NOM. DIA.
.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, (COLOR, PER CHART 1), .024" NOM. WALL THICKNESS | OVERALL CABLE DIAMETER
.212" MIN.
.222" NOM.
.232" MAX.
(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

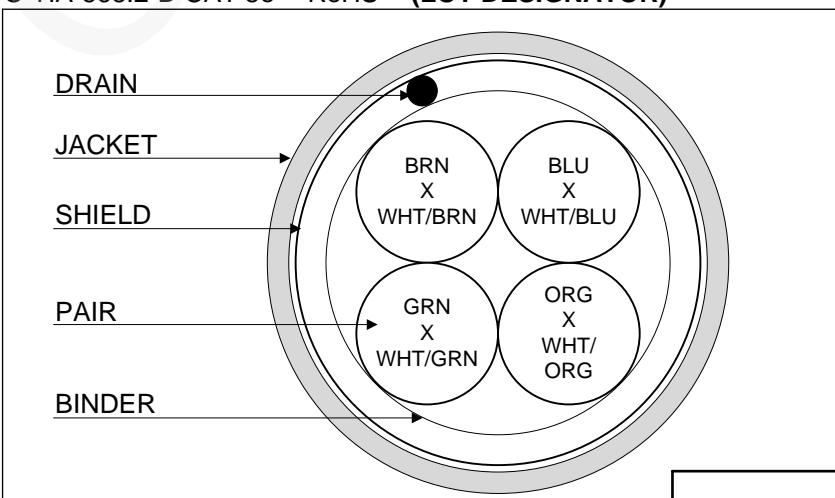
- 4) AGENCY APPROVALS:
 NEC (UL) TYPE CMR
 CEC C(UL) TYPE CMR
 ETL VERIFIED TO TIA-568.2-D CAT 5e

- 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 \pm 15 Ω 1-100 MHz
IMPEDANCE, SMOOTHED	100 \pm 10 Ω TYPICAL 5-100 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 100 MHz	25 - 8.6 LOG(f/20) dB MIN
PS NEXT	1 \leq f \leq 100 MHz	32.3 - 15 LOG (f/100) dB MIN
NEXT	1 \leq f \leq 100 MHz	35.3 - 15 LOG (f/100) dB MIN
PS ACRF	1 \leq f \leq 100 MHz	20.8 - 20 LOG(f/100) dB MIN
ACRF	1 \leq f \leq 100 MHz	23.8 - 20 LOG(f/100) dB MIN
INSERTION LOSS	1 \leq f \leq 100 MHz	1.5[1.967 \sqrt{f} + 0.023(f) + 0.050/ \sqrt{f}] dB MAX
DELAY	1 \leq f \leq 100 MHz	534 + 36/ \sqrt{f}
DELAY SKEW	1 \leq f \leq 100 MHz	<25 ns
LCL	1 \leq f \leq 100 MHz	-38 dB MIN
VELOCITY OF PROPAGATION	68%	

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DRAWING #	QWC0014	2 of 2

CUSTOMER APPROVAL:

DATE: