

1) CONSTRUCTION:		NOM. DIA.
CONDUCTOR:	22 AWG SOLID TINNED COPPER	.0254"
INSULATION:	TWO LAYER COMPOSITE POLYOLEFIN, .020" WALL THICKNESS	.065"
CABLE:	(2) COLOR CODED SINGLES TWISTED TOGETHER WITH FILLERS TO FORM A CABLE CORE.	.130"
SHIELD:	AN OVERALL ALUMINUM POLYESTER FOIL SHIELD (FOIL OUT, 100% COVERAGE) SHALL BE APPLIED OVER THE CABLE CORE AND SHALL INCLUDE A 24 AWG SOLID TINNED COPPER DRAIN IN CONTACT WITH THE METALIZED SURFACE. A SECOND SHIELD OF 36 AWG TINNED COPPER BRAID (85% MINIMUM COVERAGE) SHALL BE APPLIED OVER THE FOIL SHIELD.	.158"
JACKET:	POLYVINYLCHLORIDE, BEIGE, .025" NOM. WALL THICKNESS	OVERALL CABLE DIAMETER .208" (± .010") (BY PI TAPE)

2) PHYSICAL PROPERTIES:	
TEMPERATURE RATING, MAX.	60°C
TEMPERATURE RATING, MIN.	-20°C
WT./M', NOM., NET.	28.6 LBS.

3) ELECTRICAL CHARACTERISTICS:	
CAPACITANCE, MUTUAL, NOM.	15 PF/FT. AT 1 MHz
DIELECTRIC WITHSTANDING, MIN.	1500V RMS
D.C. RESISTANCE, MAX. PER ASTM B258	16.6 Ω/1000'
IMPEDANCE, CHARACTERISTIC, NOM.	100 Ω FROM 500 KHz TO 3.5 MHz (± 10 Ω AT 0.772 MHz AND AT 1.544 MHz)
RETURN LOSS, TYPICAL	GREATER THAN 30 dB; 500 KHz TO 3.5 MHz
INSERTION LOSS: SEE PAGE 2	

4) AGENCY APPROVALS:
 NEC (UL) TYPE CM
 CEC C(UL) TYPE CM

5) APPLICATION:
 T1: LEVELS 1,1A AND 1C INTERCONNECTION. RoHS COMPLIANT MATERIALS.

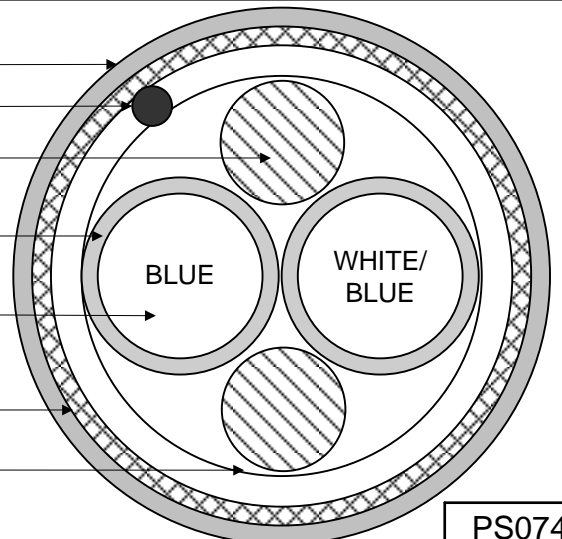
NOTE: THIS CONSTRUCTION IS UNIQUELY DESIGNED TO FIT MOST POPULAR MODULAR PLUGS WHEN THE OUTER PRIMARY INSULATION IS REMOVED.

6) PRINT:
 QUABBIN DATAMAX 100 OHM T1 (DS1) CABLE -- 22 AWG C(UL)US TYPE CM SHIELDED P/N 9701 -- RoHS --
(LOT DESIGNATOR)
(SEQUENTIAL FOOTAGE)

7) COLOR CODE: (LONGITUDINAL STRIPE)
 1. BLUE
 2. WHITE/BLUE

8) PACKAGING:
 TO BE PACKAGED AS PER QWC'S STANDARD PACKAGING.

JACKET
 DRAIN
 FILLER
 INSULATION
 CONDUCTOR
 BRAID SHIELD
 SHIELD



PS0741

Created 07/20/00	DRAWN: SGH 06/13/19
REV. 05	CHECKED: ZRS 06/13/19



TITLE

T1 CABLE -- C(UL)US TYPE CM

QUABBIN P/N 9701 1 of 2

CUSTOMER APPROVAL:

DATE:


INSERTION LOSS

9701

FREQUENCY MHz	INSERTION LOSS dB/1000 FT
0.772	5.5
1.544	7.7
3.152	10.9

QUABBIN WIRE & CABLE

PS0741

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TITLE T1 CABLE -- C(UL)US TYPE CM		
QUABBIN P/N	9701	2 of 2

CUSTOMER APPROVAL:

DATE: