

1) CONSTRUCTION:

CONDUCTOR:	22 AWG SOLID BARE COPPER	NOM. DIA.	.0253"
INSULATION:	TWO LAYER COMPOSITE FEP, .017" WALL THICKNESS (.005" MINIMUM WALL ON INNER LAYER)		.065" (.070" MAX.)
PAIRS:	COLOR CODED SINGLES TWISTED INTO PAIRS. EACH PAIR SHALL BE WRAPPED WITH AN ALUMINUM POLYESTER FOIL SHIELD (FOIL OUT, 100% COVERAGE) AND SHALL INCLUDE A 24 AWG SOLID TINNED COPPER IN CONTACT WITH THE METALIZED SURFACE.		.136"
ISOLATOR:	EACH PAIR SHALL BE ELECTRICALLY ISOLATED FROM EACH OTHER WITH A POLYESTER TAPE WRAP.		.139"
CABLE:	(2) SHIELDED PAIRS PULLED IN STRAIGHT		.139" X .278"
JACKET:	E-CTFE, GRAY, .015" NOM. WALL THICKNESS		.169" X .308" .185" X .317" MAX.

2) PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX.	150°C
TEMPERATURE RATING, MIN.	-40°C
WT./M', NOM., NET.	27.0 LBS.

3) ELECTRICAL CHARACTERISTICS:
SEE PAGE 2

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

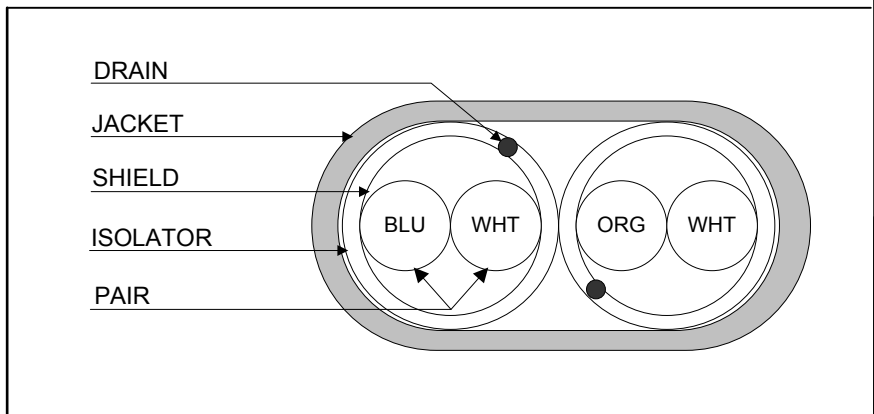
5) APPLICATION:
T1: LEVELS 1,1A AND 1C COMPLIES WITH ANSI T1.403 CARRIER-TO-CUSTOMER INSTALLATION - DS1 METALLIC INTERFACE AT A MAXIMUM LENGTH OF 200M (655FT). RoHS COMPLIANT MATERIALS.

NOTE: THIS CONSTRUCTION IS UNIQUELY DESIGNED TO FIT MOST POPULAR RJ-45 CONNECTORS WHEN THE OUTER PRIMARY INSULATION IS REMOVED.

6) PRINT:
QUABBIN DATAMAX 100 OHM T1 CABLE P/N 9738 E130356 (UL) C(UL) 150C TYPE CMP 22 AWG SHIELDED -- RoHS --
(SEQUENTIAL FOOTAGE)

7) COLOR CODE:
1. ORANGE X WHITE
2. BLUE X WHITE

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



REVISION 15	DATE:	DRAWN S. ADDIE 09/06/96	
REVISED BY	<i>B. Duczynski</i> 9/28/10	CHECKED J. RIVERNIDER 09/06/96	
CHECKED	<i>J. Rivernider</i> 10/5/10	CHECKED M. FERRERO 09/06/96	
CHECKED		CUSTOMER APPROVAL: DATE:	TITLE T 1 CABLE -- TYPE CMP -- HIGH TEMP
			QUABBIN P/N 9738 1 OF 1


3) ELECTRICAL CHARACTERISTICS:

CAPACITANCE, MUTUAL, NOM.
 DIELECTRIC WITHSTANDING, MIN
 VOLTAGE RATING, MAX.
 NEXT, TYPICAL
 D.C. RESISTANCE, MAX. PER ASTM B258
 IMPEDANCE, CHARACTERISTIC, NOM

15 PF/FT. AT 1 MHZ
 1500V RMS
 300V
 GREATER THAN 60 DB; 500KHZ TO 3.5 MHZ
 16.6 Ω/1000'
 100.0 Ω FROM 500 KHZ TO 3.5 MHZ
 (+/- 10 Ω AT .772 MHZ AND AT 1.544 MHZ)
 GREATER THAN 30DB; 500 KHZ TO 3.5 MHZ

RETURN LOSS, TYPICAL
 ATTENUATION:

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

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