

1) CONSTRUCTION:  
 CONDUCTOR: 22 AWG SOLID TINNED COPPER  
 INSULATION: TWO LAYER COMPOSITE POLYOLEFIN .020 WALL THICKNESS  
 PAIRS: COLOR CODED SINGLES TWISTED INTO PAIRS WITH FILLERS  
 SHIELDS: ALUMINUM POLYESTER FOIL SHIELD (FOIL OUT, 100% COVERAGE) PER PAIR. 24 AWG SOLID TINNED COPPER DRAIN EACH PAIR. AN OVERALL CLEAR POLYESTER TAPE SHALL BE APPLIED OVER THE SHIELDED PAIR.  
 JACKET: (2) SHIELDED PAIRS JACKETED WITH AN INTERCONNECTING WEB POLYVINYLCHLORIDE, GREEN, .029" NOM. WALL THICKNESS

NOM. DIA.  
 .025"  
 .065"  
 .141"  
 .200" X .400"

2) PHYSICAL PROPERTIES:  
 TEMPERATURE RATING, MAX. 60°C  
 WT./M', NOM., NET. 35.4 LBS.

3) ELECTRICAL CHARACTERISTICS:  
 CAPACITANCE, MUTUAL 16 PF/FT. AT 1 MHZ  
 DIELECTRIC WITHSTANDING, MIN 1500V RMS  
 NEXT, 1000FT GREATER THAN 65 DB; .150KHZ TO 6.3 MHZ  
 FEXT, 100FT GREATER THAN 65 DB; .150KHZ TO 6.3 MHZ  
 D.C. RESISTANCE, MAX. PER ASTM B258 16.6 OHMS/M'  
 IMPEDANCE, CHARACTERISTIC, NOM 100.0 OHMS +/- 15 OHMS AT 1 MHZ  
 RETURN LOSS, TYPICAL GREATER THAN 30DB; 500 KHZ TO 3.5 MHZ  
 ATTENUATION MAX. 5.9 dB PER 1000FT AT 772 KHZ

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

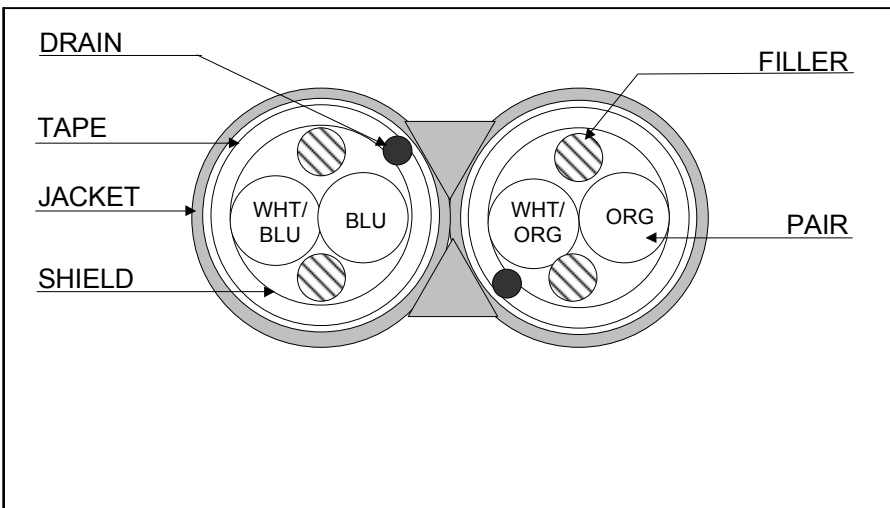
5) APPLICATION:  
 DS1 COMPLIES WITH ANSI T1.403 CARRIER-TO-CUSTOMER INSTALLATION - DS1 METALLIC INTERFACE AT A MAXIMUM LENGTH OF 200M (655FT). RoHS COMPLIANT MATERIALS.

NOTE: THIS CONSTRUCTION WILL FIT RJ-45 CONNECTORS WHEN SEPARATED AND THE OUTER PRIMARY INSULATION IS REMOVED.

6) PRINT: **NOTE: (DD) (MM) (YY) IS DAY, MONTH, AND YEAR OF MANUFACTURE. XX FT IS FOOTAGE MARKER.**  
 QUABBIN DATAMAX 100 OHM T1 (DS1) CABLE P/N 9745R -- (UL) C(UL) TYPE CMR 22 AWG SHIELDED -- (DD) (MM) (YY) . . . . . XX FT

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

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



REVISION 12	DATE:	DRAWN S. ADDIE 03/22/96	PS0220
REVISED BY B. Duczynski 6/9/08	CHECKED J. RIVERNIDER 03/22/96		
CHECKED G. Munn 06/09/08	CHECKED M. FERRERO 03/22/96		
CHECKED	CUSTOMER APPROVAL:	DATE:	TITLE DS1 ZIP CABLE -- TYPE CMR (UL) C(UL)
			QUABBIN P/N 9745 1 OF 1