

1) CONSTRUCTION:

CONDUCTOR: 26 AWG SOLID SILVER PLATED COPPER
 INSULATION: FOAMED HIGH DENSITY POLYETHYLENE,
 NOM. WALL THICKNESS

NOM. DIA.

.0159"

.030"

.077"

SHIELD: AN ALUMINIZED POLYESTER FOIL SHIELD (100% COVERAGE) SHALL
 BE APPLIED OVER THE CONDUCTOR. A SECOND SHIELD OF 38 AWG
 BRAID SHIELD (90% MINIMUM COVERAGE) SHALL BE APPLIED OVER
 THE FOIL SHIELD.

.083"

JACKET: POLYVINYLCHLORIDE, GRAY, .015 NOM. WALL THICKNESS

.130" NOM

2) PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX.
 WT./M', NOM., NET.

60°C

11.58 LBS.

3) ELECTRICAL CHARACTERISTICS:

SEE PAGE 2

4) AGENCY APPROVALS:

NEC CMR
 CEC CMR

5) APPLICATION:

735A COAXIAL CABLE EQUIVALENT FOR T-3 OR DS-3 APPLICATIONS MEETS BELLCORE
 GR-139-CORE GENERIC REQUIREMENTS FOR CENTRAL OFFICE COAXIAL CABLE

6) PRINT:

QUABBIN DATAMAX 2735 DS-3 TYPE 735 SILVER PLATED COPPER 75 OHM COAX --
 TYPE CMR (UL) C(UL) 26 AWG -- **DDMMYY -- (SEQUENTIAL FOOTAGE) FEET**

7) COLOR CODE:

8) PACKAGING:

TO BE PACKAGED AS PER QWC'S
 STANDARD PACKAGING

1,000' PUT UPS

9) CONNECTORS:

AMP P/N 1-413589-0
 TROMPETER UPL 220-026
 KINGS 2025-47-9
 GEM ELECTRONICS P/N 307-18S

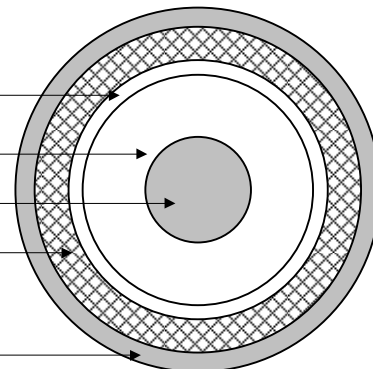
SHIELDING TAPE

INSULATION

CONDUCTOR

BRAID

JACKET



REVISION 08	DATE: 4/24/01	DRAWN S. ADAMS	4/28/00	
REVISED BY	S. ADAMS 4/24/01	CHECKED J. RIVERNIDER	4/28/00	
CHECKED	J. RIVERNIDER 4/25/01	CHECKED		
CHECKED		CUSTOMER APPROVAL:	DATE:	
				
				TITLE DOUBLE SHIELDED 75 OHM DS-3 COAXIAL CABLE
				QUABBIN P/N 2735
				1 OF 2

3) ELECTRICAL CHARACTERISTICS:

CAPACITANCE, MUTUAL, NOM.	17.5 PF/FT.
DIELECTRIC WITHSTANDING, MIN.	1500 V RMS
VOLTAGE RATING, MAX.	300V
D.C. RESISTANCE, MAX. PER ASTM B286	45 OHMS/M'
STRUCTURAL RETURN LOSS	30dB MINIMUM FROM 15 TO 90 MHz
CHARACTERISTIC IMPEDANCE	75 OHMS +/- 3 OHMS 10 TO 100 MHz
NOMINAL VELOCITY OF PROPAGATION	75%

ATTENUATION

FREQUENCY (MHZ)	dB/100 FT TYPICAL	dB/100 FT MAX
1.0	.520	0.6
1.024	.523	-
4.224	1.010	-
5.000	1.100	1.2
10.000	1.530	1.7
17.184	2.020	-
22.368	2.310	-
25.920	2.490	-
44.736	3.280	-
50.000	3.470	3.8
69.632	4.110	-
77.760	4.350	-
100.000	4.950	5.5
137.088	5.820	-
200.000	7.080	7.8

REVISION 08	DATE: 4/24001	DRAWN S. ADAMS 4/28/00	
REVISED BY	S. ADAMS 4/20/01	CHECKED J. RIVERNIDER 4/28/00	
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CHECKED		CUSTOMER APPROVAL: DATE:	
			TITLE
			DOUBLE SHIELDED 75 OHM DS-3 COAXIAL CABLE
			QUABBIN P/N 2735
			2 OF 2