



RG-11/U Quad Coax Cable

With 2 Foils & 40% / 60% Aluminum Braids

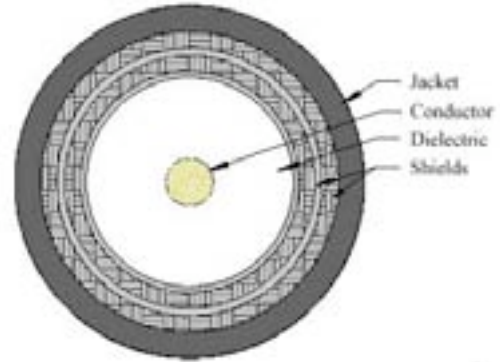
Non-Plenum

UL TYPE CM, CL2 & CATV

PART # M71008

CONSTRUCTION

- CONDUCTOR:** 14 AWG SOLID COPPER CLAD STEEL
NOM OD: .064" (1.62 mm)
- DIELECTRIC:** FOAM POLYETHYLENE
NOM OD: .285" (7.23 mm)
- TAPE SHIELD:** FUSIBLE ALUMINUM/POLYESTER/ALUMINUM TAPE
25% OVERLAP, 100% COVERAGE, IN CONTACT WITH BRAID
- BRAID SHIELD:** #34 AWG ALUMINUM BRAID
40% COVERAGE
- TAPE SHIELD:** ALUMINUM/POLYESTER/ALUMINUM TAPE
25% OVERLAP, 100% COVERAGE, IN CONTACT WITH BRAID
- BRAID SHIELD:** #34 AWG ALUMINUM BRAID
60% COVERAGE
- JACKET:** MATERIAL: PVC
NOM WALL: .042" (1.06 mm)
NOM DIAMETER: .424" (10.76 mm)
COLOR: BLACK
- PRINT LEGEND:** MOHAWK E39829-72 RG11 14 AWG CCS (UL) CM OR CL2 OR CATV 75C QUAD SHIELD 40/60% AL BRAID SUN RES SWEPT TO 2.2 GHZ M71008 (W/YEAR & SEQUENTIAL FOOTAGE MARKING)
- LISTINGS:** UL TYPE CM, CL2 & CATV



PHYSICAL CHARACTERISTICS

- CABLE WEIGHT:** 63 lbs/1000 ft (94 kg/km)
- BENDING RADIUS:** 4.25" (108 mm) MIN (10 x CABLE OD)
- OPERATING VOLTAGE:** 300 VOLTS RMS MAX
- OPERATING TEMP.:** -20°C to +75°C (-4°F to +167°F)
- STORAGE TEMP.:** -20°C to +75°C (-4°F to +167°F)
- INSTALLATION TEMP*.: 0°C to +60°C (+32°F to +140°C)**

*THE INSTALLATION TEMPERATURE REFERS TO THE TEMPERATURE OF THE CABLE WHILE BEING INSTALLED OR PULLED. DO NOT INSTALL CABLE BELOW 0°C (+32°F).

ELECTRICAL CHARACTERISTICS (REF TABLE 1)

- CONDUCTOR DCR:** 11.1 Ω/kft NOM
- CAPACITANCE:** 16.5 pF/ft (54.1 pF/m) NOM
- VELOCITY OF PROPAGATION:** 81%*c*
- DELAY:** 1.26 ns/ft (4.13 ns/m) NOM
- CHARACTERISTIC IMPEDANCE:** 75 Ω
- STRUCTURAL RETURN LOSS:** 18 dB (50-2200 MHz)

TABLE 1

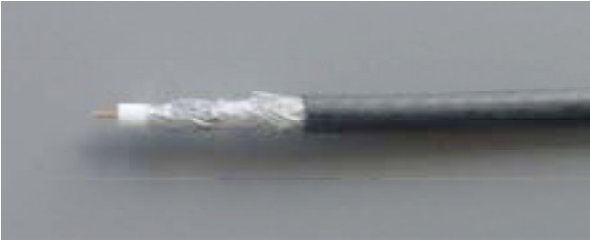
FREQUENCY (MHz)	ATTENUATION	
	(dB/100 ft)	(dB/100 m)
50	1.2	3.9
100	1.4	4.6
200	1.8	5.8
400	2.7	8.8
550	3.2	10.4
700	4.0	13.0
1000	4.9	16.0
2000	10.0	32.6
2200	10.4	34.0

Mohawk reserves the right to change specification in the interest of product enhancement.



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PART # M71004

RG-11/U Quad Coax Cable

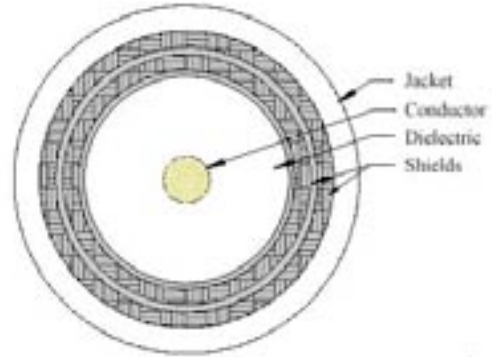
With 2 Foils & 60% / 40% Aluminum Braids

Plenum

UL TYPE CMP, CL2P & CATV

CONSTRUCTION

- CONDUCTOR:** 14 AWG SOLID COPPER CLAD STEEL
NOM OD: .064" (1.62 mm)
- DIELECTRIC:** FOAM FEP
NOM OD: .280" (7.11 mm)
- TAPE SHIELD:** BONDED ALUMINUM/POLYESTER/ALUMINUM
25% OVERLAP, 100% COVERAGE, IN CONTACT WITH BRAID
- BRAID SHIELD:** #34 AWG ALUMINUM BRAID
60% COVERAGE
- TAPE SHIELD:** ALUMINUM/POLYESTER/ALUMINUM
25% OVERLAP, 100% COVERAGE, IN CONTACT WITH BRAID
- BRAID SHIELD:** #34 AWG ALUMINUM BRAID
40% COVERAGE
- JACKET:** MATERIAL: POLYVINYLIDENE FLUORIDE (PVDF)
NOM WALL: .017" (.43 mm)
NOM DIAMETER: .372" (9.4 mm)
COLOR: WHITE
- PRINT LEGEND:** MOHAWK E39829-72 RG11 14 AWG CCS (UL) CMP OR CL2P OR CATVP 125C QUAD SHIELD 60/40% AL BRAID SWEPT TO 2.2 GHZ M71004 (W/YEAR & SEQUENTIAL FOOTAGE MARKING)
- LISTINGS:** UL TYPE CMP, CL2P & CATVP



PHYSICAL CHARACTERISTICS

- CABLE WEIGHT:** 60 lbs/1000 ft (89 kg/km)
- BENDING RADIUS:** 3.75" (95 mm) MIN (10 x CABLE OD)
- OPERATING VOLTAGE:** 300 VOLTS RMS MAX
- OPERATING TEMP.:** -20°C to +75°C (-4°F to +167°F)
- STORAGE TEMP.:** -20°C to +75°C (-4°F to +167°F)
- INSTALLATION TEMP*.: 0°C to +60°C (+32°F to +140°C)**

*THE INSTALLATION TEMPERATURE REFERS TO THE TEMPERATURE OF THE CABLE WHILE BEING INSTALLED OR PULLED. DO NOT INSTALL CABLE BELOW 0°C (+32°F).

ELECTRICAL CHARACTERISTICS (REF TABLE 1)

- CONDUCTOR DCR:** 11.1 Ω/kft NOM
- CAPACITANCE:** 16.5 pF/ft (54.1 pF/m) NOM
- VELOCITY OF PROPAGATION:** 82%*c*
- DELAY:** 1.24 ns/ft (4.07 ns/m) NOM
- CHARACTERISTIC IMPEDANCE:** 75 Ω
- STRUCTURAL RETURN LOSS:** 20 dB (5-400 MHz)

TABLE 1

FREQUENCY (MHz)	ATTENUATION	
	(dB/100 ft)	(dB/100 m)
50	1.2	3.9
100	1.7	5.5
200	2.5	8.1
400	3.5	11.4
700	4.6	15.0
900	5.3	17.3
1000	5.6	18.2
1450	7.2	23.5
1750	7.8	25.5
2200	9.5	31.0

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