



Headend Equipment

KP-BMC42

Digital Broadband “F” Miniature Coax Cable



FEATURES:

- 25dB structural return loss to 1GHz and 17dB structural return loss to 3GHz
- Excellent attenuation performance to 3GHz
- 1,000ft reel
- Multiple colors available
- Compatible with most common mini F connectors

COLORS:

- KP-BMC42-W / White
- KP-BMC42-B / Black
- KP-BMC42-R / Red
- KP-BMC42-G / Green
- KP-BMC42-Y / Yellow
- KP-BMC42-BL / Blue
- KP-BMC42-P / Purple

DESCRIPTION:

The new **KP-BMC42** Mini-Coax provides excellent electrical performance to 3GHz. Available in a variety of colors, the **KP-BMC42** is easy to deploy, has a minimum bend radius of 1.5 inches and structural return loss of 17dB at 3GHz. It is manufactured with a solid copper 23 AWG center conductor, 100% shield and 90% braid coverage and is available in 1,000 ft reels.

ATTENUATION:

Frequency MHz	dB/100ft (Nominal)	dB/100m (Nominal)
5	0.9	2.9
10	1.3	4.1
100	3.3	10.5
200	4.6	14.5
450	7	22.2
750	9.2	29.1
870	10	31.4
1000	10.7	33.9
1500	13.2	42.3
2000	15.5	49.2
2250	16.5	52.3
3000	19.4	61.70



KP-BMC42

Physical Specifications

Dielectric	Foamed Polyethylene	Diameter Over Dielectric 0.100±0.004in 2.60mm
First shield 100% coverage	aluminum foil tape- polyester	diameter over foil 0.107in 2.72mm
Second shield braid minimum 90% coverage	tinned copper	diameter over braid 0.125in 3.08mm
Jacket	PVC-polyvinyl chloride	diameter over jacket 0.159in 4.03mm

Electrical Specifications

Nominal characteristic impedance	75 Ohm
Nominal inductance	.107µH/ft
Nominal capacitance conductor to shield	16.3pF/ft
Nominal velocity of propagation	82%
Nominal conductor DC resistance @ 68°F 20°C	20.2 Ohm/100ft 304.8m
Nominal outer shield DC resistance @ 68°F 20°C	7.6 Ohm/100ft 304.8m
Structural return loss 5MHz to 500MHz (100% swept tested)	27dB
Structural return loss 500MHz to 1GHz (100% swept tested)	25dB
Structural return loss 1GHz to 3GHz (100% swept tested)	17dB

Mechanical Properties

Bulk cable weight:	16.5lbs/1000-ft / 7.48kg/304.8m
Minimum bend radius (install)	1.5in / 38.10mm
Cable temperature rating	167°F / 75°C
Operating temperature range	-30°C to 75°C

Specifications are subject to change without notice.

Quality Cable & Electronics, Inc.

1780 N.W. 15th Ave. Ste. 400, Pompano Beach, FL 33069

Tel. 954-978-8845 Fax 954-978-8831

Web: www.qualitycable.com Email: sales@qce.cc