

# ABI-KX1002S00

## MonoMedia Broadband Cable

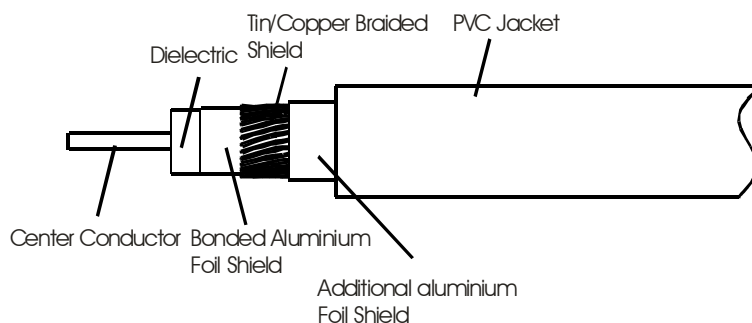
### 1) Description

Broadband (coaxial TV, Video & Satellite) RG6 type cable for in-building installation in walls, conduit, flooring

### 2) Item Reference numbers

• ABI-KX1002S00      Bare Cable      305m      Reel

### 3) General View



### 4) Picture



### 5) Features:

- RG 6 Type Cable
- Tri-Shield Bonded foil, 60% Braid, Non-Bonded Tape, PVC Jacket
- Centre conductor 18AWG CopperWeld
- Dielectric Gas expanded Polyethylene
- Jacket Diameter 7.06mm
- Applications: CaTV, Video, Satellite

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### 6) Technical characteristics

#### a. Mechanical

##### Conductor:

- 18 AWG Copper Weld OD 1.02mm

##### Dielectric:

- Gas Expanded PolyEthylene OD 4.57mm

##### Shield:

- 1<sup>st</sup> shield alu - PolyPropylene – alu laminated tape with overlap bonded to the dielectric OD 4.75mm
- 2<sup>nd</sup> shield 34 AWG Tin/Copper Braid wire 60% coverage

##### Sheath:

- PVC OD 7.06mm min thickness 0.76mm
- RAL 9010
- Marking

<abitana ABI-KX1002S00 MonoMedia Broadband YYYY MM DD metermarking>

#### b. Electrical

- NVP: 84.0%
- Mean Characteristics Impedance:  $75\Omega \pm 3$  @ 5MHz to 2.5GHz

#### c. Transmission

- BCT Coax compliant draft CD for vote IEC15018
- Structural return loss:
  - 20dB minimum @ 5MHz to 1GHz
  - 15dB minimum @ 1GHz to 2.5GHz

| Frequency (MHz) | dB/100m @ 20°C |
|-----------------|----------------|
| 5               | 1.8            |
| 55              | 5.25           |
| 83              | 4.23           |
| 187             | 9.35           |
| 211             | 10             |
| 250             | 10.82          |
| 300             | 11.64          |
| 350             | 12.63          |
| 400             | 13.61          |
| 450             | 14.43          |
| 500             | 15.09          |
| 600             | 16.08          |
| 750             | 16.73          |
| 865             | 18.54          |
| 1000            | 21.49          |
| 1450            | 25.95          |
| 1800            | 29.10          |
| 2400            | 33.96          |
| 2500            | 34.71          |

Table 1: Insertion Loss

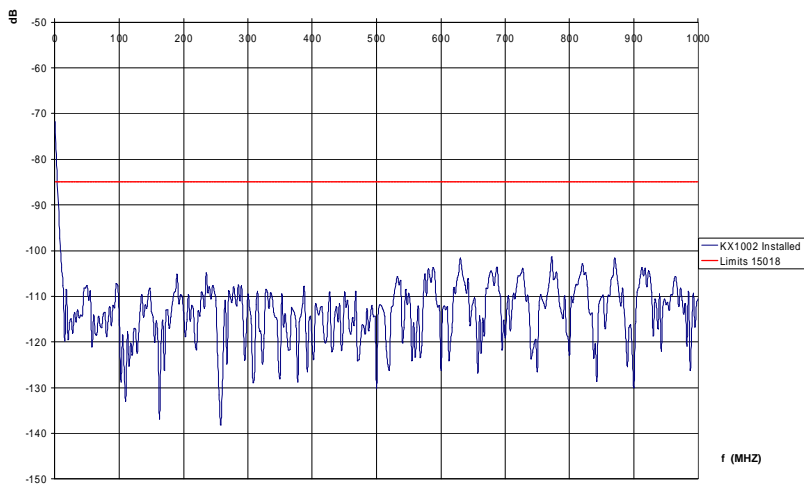


Figure 1: Screening Attenuation

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