

## Technical Report

Rev. 1.0

October 31, 2006

Canare Electric Co., Ltd.

### About Canare Products' Compatibility with the SMPTE 424M Standard

Canare's coaxial cables, BNC connectors, and video jacks, which are used for signal transmission in conformity with the SMPTE 424 M Standards, meet the following specifications:

**Performance required by the SMPTE 424M** (for television – 3 Gbps signal/data serial interface)

Characteristic impedance: 75 ohm

Return loss: 15 dB or more from 5MHz – 1.5 GHz

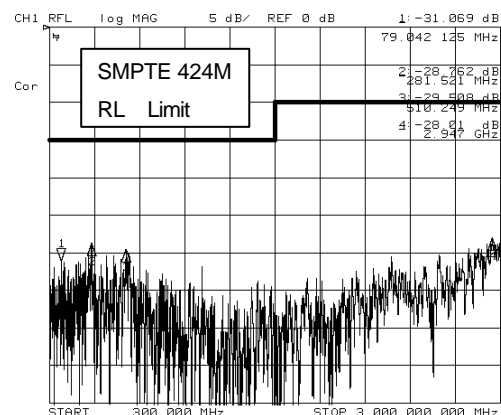
10 dB or more from 1.5 GHz – 3 GHz

#### Canare coaxial cables

Model number: L-5CFB

Characteristic impedance: 75 ohm

Return loss: Typical 21 dB from 0.3MHz – 3 GHz



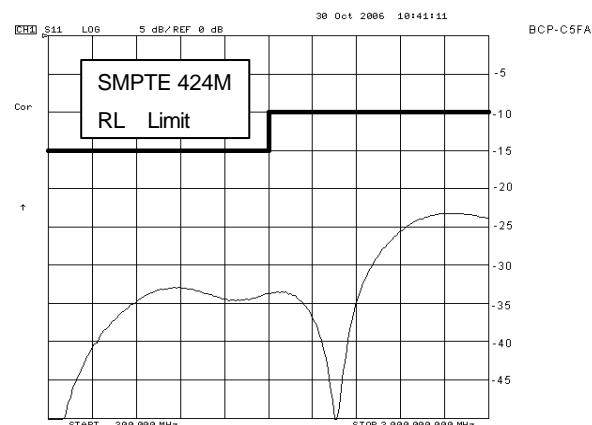
#### Canare BNC plugs

Model number: BCP-C5FA

Characteristic impedance: 75 ohm

Return loss: Typical 26 dB from 0.3MHz – 1.5 GHz

Typical 21 dB from 1.5 GHz – 3 GHz

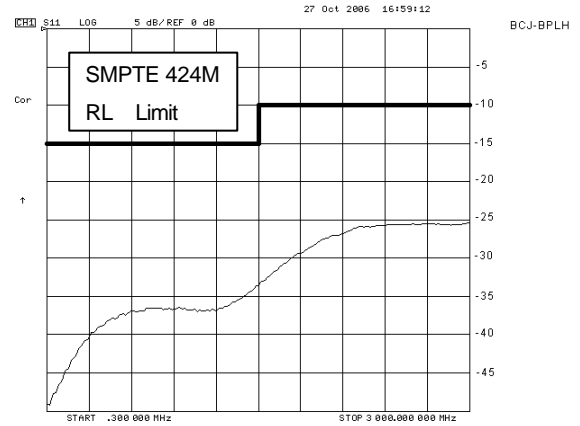


### Canare BNC receptacles

Model number: BCJ-BPLH

Characteristic impedance: 75 ohm

Return loss: Typical 26 dB from 0.3MHz – 1.5 GHz  
Typical 21 dB from 1.5 GHz – 3 GHz

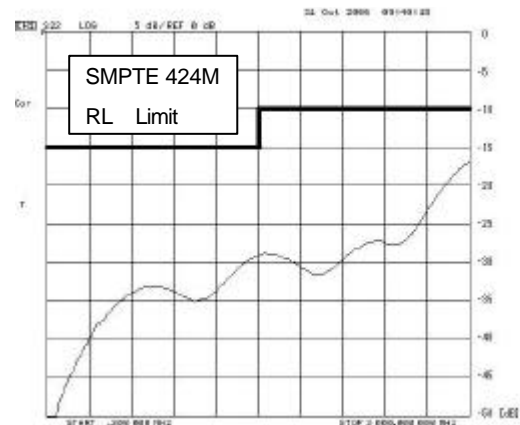
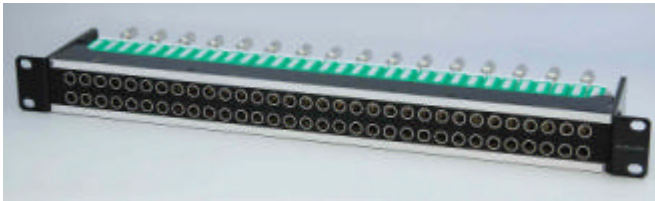


### Canare video jacks

Model number: MDVJ-STW

Characteristic impedance: 75 ohm

Return loss: Typical 20 dB from 0.3MHz – 1.5 GHz  
Typical 10 dB from 1.5 GHz – 3 GHz



The models noted above represent some of the Canare products.