



## 85135C Semi-Rigid Cable, 2.4 mm to 7 mm

### Description

The Agilent 85135C is a single 81 cm (32 in) long<sup>1</sup> semi-rigid cable with a 2.4 mm female<sup>2</sup> to 7 mm connector.

Cable frequency range is dc to 18 GHz with a return loss of 17 dB or better.

Insertion loss is  $0.46 * \sqrt{f} + 0.3$ , where  $f$  is frequency in GHz, for the test port connector and 2.25 dB at maximum frequency for the device connector.

Phase stability of semi-rigid/flexible cables is specified with a 90 degree bend using a 4 to 3 inch radius.

Stability<sup>1</sup> of the Agilent 85135C is less than 0.06 dB and phase is  $0.18*f$ , where  $f$  is frequency in GHz.

<sup>1</sup> Cable length and stability are supplemental characteristics.

<sup>2</sup> Special rugged female connector is designed specifically for connecting to the network analyzer test port, but does not mate with a standard male connector.