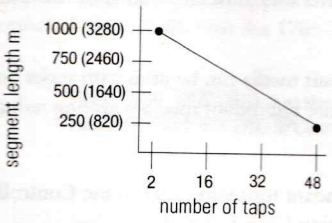
Figure 1 Maximum segment length (assumes you are using 1786-RG6 coax cable)



maximum allowable segment length = 1000m (3280ft) - 16.3m (53.4ft) X [number of taps - 2]

30014-M

EXAMPLE

If your segment requires 10 taps, the maximum segment length is:

1000m (3280ft) - 16.3m (53.4ft) x [10 - 2]
1000m (3280ft) - 130.4m (427.7ft) = 869.6m (2852.8ft)

The total trunk-cable length or number of taps can be increased by installing repeaters on the segment. This creates another segment.

The amount of high-flex RG-6 cable (1786-RG6F) you can use in a system is less than the amount of standard RG-6 cable, so you should keep high-flex cable use to a minimum. Use BNC bullet connectors to isolate areas that require high-flex RG-6 cable from areas that require standard RG-6 cable; this allows the high-flex RG-6 section to be replaced before flexture life is exceeded.

For more information in the installation of a coax segment, see publication CNET-IN002, ControlNet Coax Media Planning and Installation Guide.