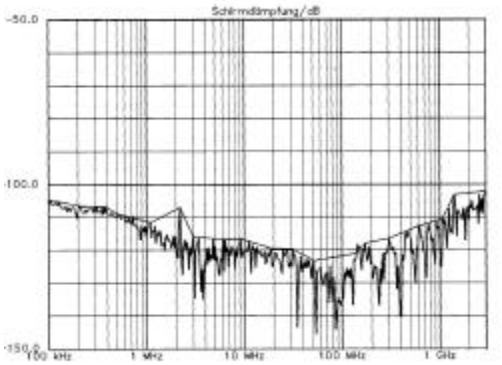
Corning Cabelcon Compression Screening Performance

Corning Cabelcon's new line of compression connectors is developed for digital multimedia applications and meet the highest performance requirements – not least concerning the results of screen leakage tests in the sensible return path band below 30 MHz.



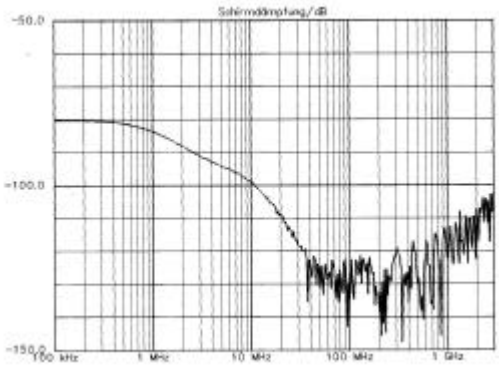
Connector screening

The graph above shows the screening leakage from the compression connector "isolated" from the cable. This means that leakage from the cable does not have any influence on the result. Excellent values have been obtained.

Examples of screening values..
(Connector "isolated" from the cable)

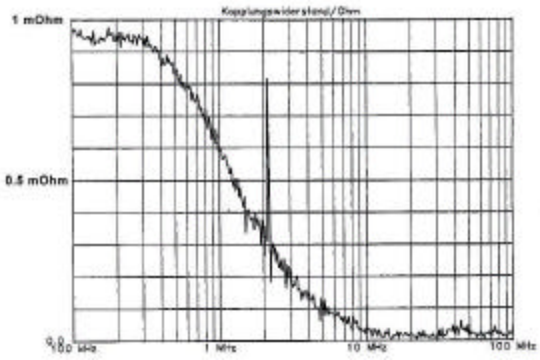
100 kHz	**- 103 dB ***
1.1 MHz	**- 111 dB ***
3.0 MHz	**- 115 dB ***
31.3 MHz	**- 119 dB ***
51.1 MHz	**- 123 dB ***
140 MHz	**- 121 dB**
170 MHz	**- 117 dB**
302 MHz	**- 116 dB**
606 MHz	**- 112 dB**
1 GHz	**- 110 dB**
3 GHz	**- 102 dB**

*** Return path band (and below)**



Leakage from a high screening cable mounted with a compression connector

The above shows the result of the screening test done with the compression connector installed on one metre of modern high that the connector's screening specifications exceed the values of the cable with about -25 dB @ 1 MHz.



Transfer impedance

The transfer impedance in a Corning Cabelcon compression connector is extremely low - less than 0.2 mOhm within the return path range (5 – 60 MHz). This is an important factor for the screening efficiency.

Full details on Corning Cabelcon Compression Connectors according to request!

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