

**NEW**  
**Coax 3GHz**

## 1S.273 SERIES PUSH-PULL CONNECTOR



### Coaxial 3GHz for HDTV

This connector series is widely used for the distribution of video and synchronization of analog or digital signals, in television control rooms as well as in studios.

The 1S series offers operating frequency above 3 GHz. Thank to their LEMO self latching system and small dimensions they enable intensive use.

The 1S series are designed for transmission ranges from analogue video (PAL/SECAM) to digital video frequencies (HDTV). These connector offer a solution allowing SMPTE 424M transfert for bit rates of 2.970 Gbits/s over a single link coaxial cable. The data transferred is sufficient for 1080p video at 50 or 60 frames per second. Signal integrity is maintained at 75 Ohms.

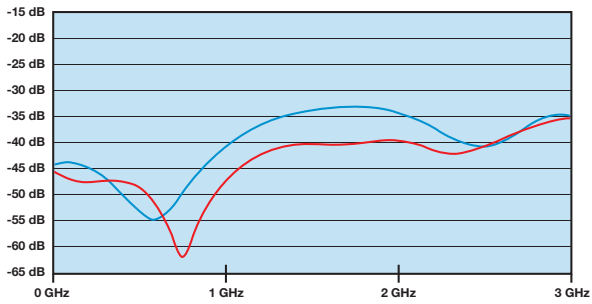


## Electrical characteristics

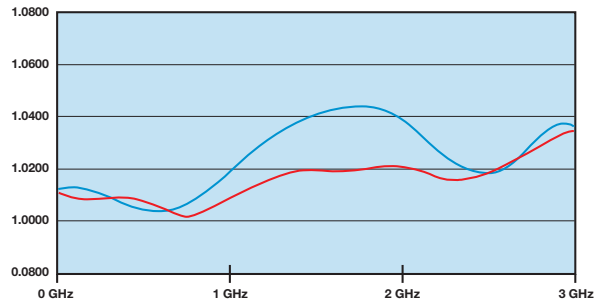
Characteristics	Values
Impedance	75 Ω
Central contact resistance	< 9 mΩ
Insulation	> 10 <sup>12</sup> Ω
Test voltage	1.6 kV eff

Characteristics	Values
Rated current	5 A
SWR (FFS & PCS model)	1.02 + 0.015 f GHz
Return loss	< -33 dB up to 3 GHz
Shell electrical continuity	< 1.5 mΩ

## Return loss

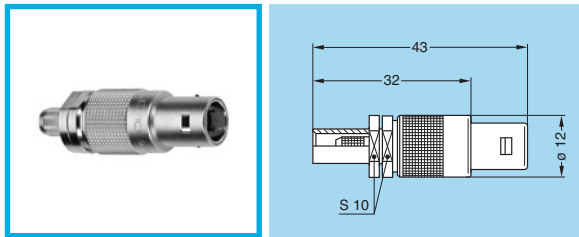


## SWR

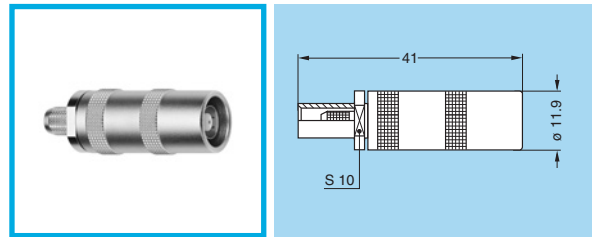


FFS.1S.273.CTAE64 + PCS.1S.273.CTLE64

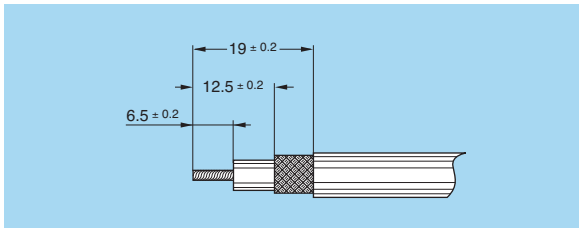
### FFS.1S.273.CTAE64



### PCS.1S.273.CTLE64



## Cable stripping lengths



**Note:** Cable Huber & Suhner RG 59 B/U (75 Ω ± 3 Ω)

Patch panel solution and cable assembly available

## LEMO HEADQUARTERS

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