

Coaxial Universal Connector

Fast and reliable connection of your coaxial cable to the N-Type ports



DESCRIPTION

AESA has developed a patented method to easily connect any size of 50 ohms and 75 ohms coaxial cable to the N-ports of Scorpius devices for example or directly to a VNA.

The preparation of the cable is very easy and fast. You just have to remove the outer insulation on a sufficient length.

Calibration artefacts are proposed to ensure a correct calibration plan.


KEY FEATURES

- One fits all
- Easy to operate
 - Easy and fast preparation of the cable
 - Easy connection
- For any type of 50 and 75 Ohms coaxial cable
 - Ø 0.8 to 16 mm
- Patented method



AESA Cortailod

TECHNICAL SPECIFICATIONS

Diameter and Frequency range	<table><tr><th>50Ω</th><th>Max cable conductor. Diameter (mm)</th><th>Min Cable screen diameter (mm)</th><th>Max over screen diameter (mm)</th><th>Connector type</th><th>Impedance (Ω)</th><th>Max. Frequency (GHz)</th></tr><tr><td>Small</td><td>0.5</td><td>0.7</td><td>16</td><td>SMA</td><td>50</td><td>18</td></tr><tr><td>Medium</td><td>2.3</td><td>1.6</td><td>16</td><td>N</td><td>50</td><td>11</td></tr><tr><td>Large</td><td>4.0</td><td>2.5</td><td>16</td><td>N</td><td>50</td><td>11</td></tr></table>						50Ω	Max cable conductor. Diameter (mm)	Min Cable screen diameter (mm)	Max over screen diameter (mm)	Connector type	Impedance (Ω)	Max. Frequency (GHz)	Small	0.5	0.7	16	SMA	50	18	Medium	2.3	1.6	16	N	50	11	Large	4.0	2.5	16	N	50	11
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<div>Components</div> <ul style="list-style-type: none">Base support plate with connectorsSet of chucks with different diameters to adapt to the cables <div></div>																																		
Version	50 ohms only		75 ohms only		50 and 75 ohms																													
Article No	50.0100.0019.0		50.0100.0031.0		50.0100.0032.0																													



Options

1. Calibration Kits

➤ *Artefacts Calibration kit for 50 or 75 Ohms*



The calibration kit contains of a thru, a load and a short artefact.

- 50 Ohms 6GHz: [Article No: 45.0001.0007.0](#)
- 75 Ohms: [Article No: 45.0001.0008.0](#)
- 50 & 75 Ohms: [Article No: 45.0001.0009.0](#)