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ISSUE 17/01/18

SERIES

VNA

PART NUMBER

VB0166164xxxxPJ

CUSTOMER : all

SPECIFICATION :

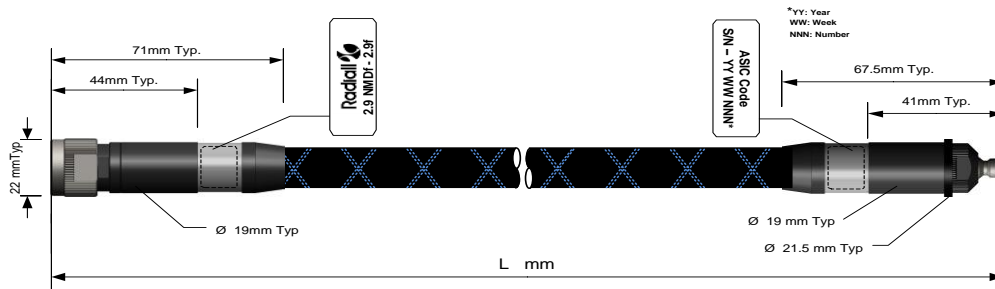
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ISSUE : -

DATE:

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All dimensions are in mm



CONNECTORS DESIGNATION

Connector 1 pn: **R127212041**
Black sleeves: **86564080**
Designation: **2.92mm NMD female**
Body material: **Stainless steel passivated**
Torque wrench pin positioning ⁽¹⁾: **0 +0.05mm**
Concentricity ⁽²⁾: **<0.075mm**

Connector 2 pn: **R127212031**
Black sleeves: **86564060**
Designation: **2.92mm female**
Body material: **Stainless steel passivated**
Torque wrench pin positioning ⁽¹⁾: **0 +0.05mm**
Concentricity ⁽²⁾: **<0.075mm**

⁽¹⁾ axial pin positioning / reference plane

⁽²⁾ Concentricity tolerance between center and outer contact

CABLE DESIGNATION

PROTECTIVE JACKET

OUTER DIAMETER

MARKING

VNA cable
Black with blue markers
14,10 mm max
black marking on silver labels

Part Number	Lenght L (in.)	Lenght L (mm)	Tolerance (mm)	Max insertion loss (dB) at 20°C	Max. VSWR at 20°C	Max. Phase stability with bending(*) at 20°C
VB01661640635PJ	25	635	±13	3,86	1.35:1	5
VB01661640965PJ	38	965	±19	5,59	1.35:1	6
VB01661641219PJ	48	1219	±25	6,93	1.35:1	6

ELECTRICAL CHARACTERISTICS

Characteristic impedance 50 Ohms

Frequency band : DC - 40 GHz

Attenuation stability with bending (*) <0.08 dB at 40GHz

(*) according to IEC966-1 section 8.6, bending method n°2

MECHANICAL CHARACTERISTICS

Min. Static bending radius : 50 mm

Min. Dynamic bending radius : 50 mm

Cable crush resistance 4400 N/100mm

Cable flex life (***) >50 000 flexures

(***) according to IEC 966-1 section 9.3

ENVIRONMENTAL CHARACTERISTICS

Operational temperature range : 23±5°C

Storage Temperature range : -40 to +70 °C

In case of difference between the performances announced into the TDS and the customer specification, the TDS is the document of reference for the order.

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