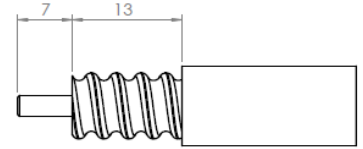
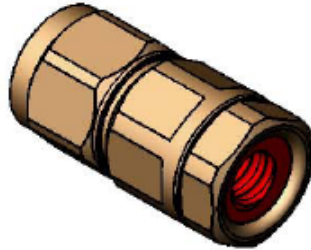


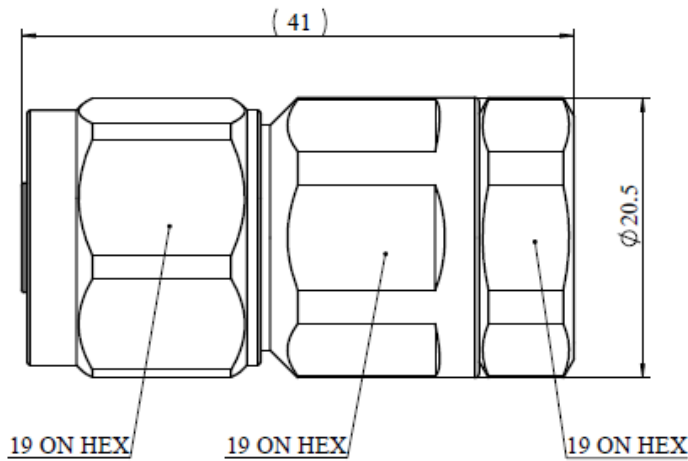
**Specification**

Product Description	N Male Connector for 1/2" Superflexible Cable	Date: 2020-6-22
Part NO.	AFA12-9	Ver. 0

UNIT: mm



RECOMMENDED  
CABLE STRIPPEING DIM'S



**Reference Standard**

**IEC60169-16**

**Electrical Performance**

Nominal Impedance ( $\Omega$ )	50
Frequency Range	DC~3.8GHz
VSWR	$\leq 1.10$
PIM (dBc)	$\leq -160(2*43dBm)$
Connector Insertion Loss (dB)	$\leq 0.05$
Insulation Resistance(M $\Omega$ /500VDC)	$\geq 5000$
Proof Voltage (V/AC)	$\geq 2500$
Contact Resistance (m $\Omega$ )	$< 0.4$ (Inner Conductor) $< 0.8$ (Outer Conductor)

**Mechanical Performance**

Nut Torque	1.7N.m
(Nut) Whorl Pull	500N
Tensile Force (Cable-Connector)	500 N
Torsion (Cable-Connector)	4N.m
Weight	58.36g

### Material and Plating

Connector Parts	Material	Plating
Inner Conductor	Spring Copper	Ag3μm
Outer Conductor	Brass	Copper-tin-zinc 3μm
NUT	Brass	Nickel 3μm
Insulator	TPX	
O-Ring	Silicone Rubber	

### Environment

Storage Temperature Range	-40°C~+85°C
Operating Temperature Range	-40°C~+85°C
Weather Standard	IEC60068 40/ 085/ 21
Thermal Shock	IEC60068-2-14-Na
Vibration	IEC60068-2-6-Fc
Shock	IEC60068-2-27
Waterproofing Standard	IP68
RoHS	Compliant(EU and China)

NOTE: The technical specification contains proprietary information and such information may not be disclosed to others for any particular purpose or used for manufacturing purposes without written permission from Amphenol Fuyang.