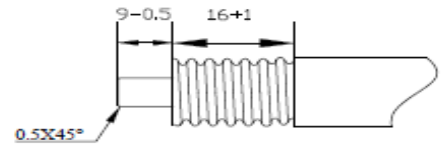


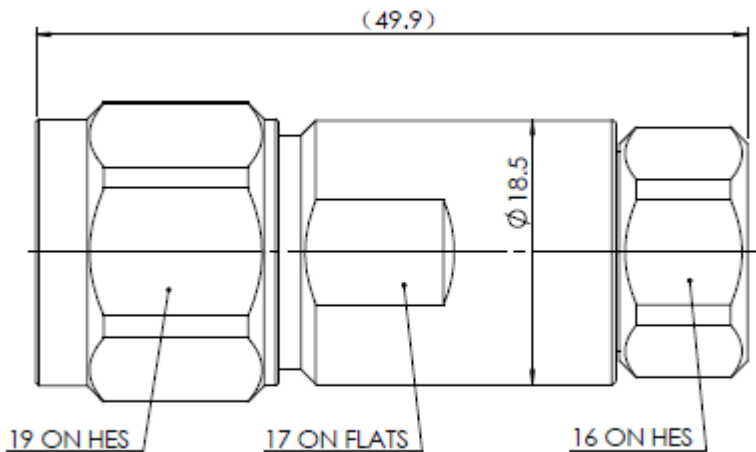
## Specification

Product Description	N Male Connector for 1/4" Superflexible Cable	Date: 2019-4-17
Part NO.	AFA175-1	Ver.1

UNIT: mm



RECOMMENDED  
CABLE STRIPPEING DIM'S



## Reference Standard

IEC60169-16

## Electrical Performance

Nominal Impedance ( $\Omega$ )	50
Frequency Range	DC~6GHZ
VSWR	$\leq 1.1$ (0-3GHZ) $\leq 1.2$ (3-6GHZ)
VSWR(DTF)	$\leq 1.05$ (0-3GHZ) $\leq 1.10$ (3-6GHZ)
PIM (dBc)	$\leq -160$ (2*43dBm)
Insertion Loss	$\leq 0.05\sqrt{F}$ (GHZ)
Insulation Resistance(M $\Omega$ /500VDC)	$\geq 5000$
Proof Voltage (V/AC)	$\geq 1500$
Contact Resistance (m $\Omega$ )	$< 0.8$ (Inner Conductor) $< 0.4$ (Outer Conductor)

## Mechanical Performance

Interface Durability	500 Cycles
Nut Torque	3N.m
(Nut) Whorl Pull	500N
Tensile Force (Cable-Connector)	250 N
Torsion (Cable-Connector)	1.5 N.m
Weight	77.87g

## Material and Plating

Connector Parts	Material	Plating
Inner Conductor	Spring Copper	Ag 5μm
Outer Conductor	Brass	Copper-tin-zinc 2μm
Clamp	Brass	Ni 5μm
Nut	Brass	Ni 5μm
Insulator	PTFE	
Gasket	Silicone Rubber	

## Environment

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)

## Assembly

Inner conductor Installed and outer conductor crimped.

Cable Supported	Cable Type Supported
Andrew	FSJ1-50A, FSJ1RK-50B, PTS1-50-P
RFS	SCF14-50J,SCF14-50JFN
Eupen	EC1-50-HF
Times	SPO-250
Amphenol	AFY-50-14S
Draka	RFF1/4"-50

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.