

## Specification

# Amphenol

Changzhou Amphenol Fuyang Communication Equipment Co. Ltd.

Product Description

N Female Connector for 1/2" Normal Cable

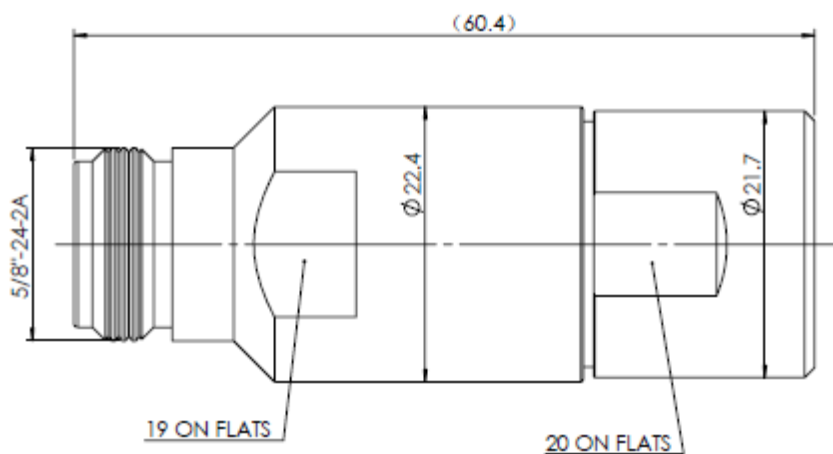
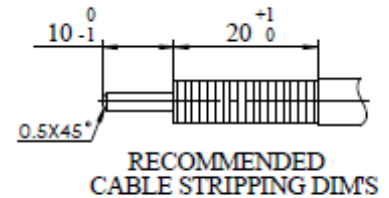
Date: 2019-4-19

Part NO.

AFA08-8

Ver. 1

UNIT: mm



## Reference Standard

IEC60169-16

## Electrical Performance

Nominal Impedance ( $\Omega$ )	50
Frequency Range	DC~6GHz
VSWR	$\leq 1.10$ (0-3GHZ) $\leq 1.20$ (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)	$\geq 2500$
Contact Resistance (m $\Omega$ )	$< 0.8$ (Inner Conductor) $< 0.4$ (Outer Conductor)

## Mechanical Performance

Interface Durability	500 Cycles
Mating Cycles	500
Retention Force	≥0.56N
Tensile Force (Cable-Connector)	500 N
Torsion (Cable-Connector)	5N.m
Weight	93.81g

## Material and Plating

Connector Parts	Material	Plating
Inner Conductor	Spring Copper	Ag5μm
Outer Conductor	Brass	Copper-tin-zinc 2μm
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 and outer conductor Installing type.

Cable Supported	Cable Type Supported
Andrew	LDF4-50,LDF4RK-50,LDF4RN-50
RFS	LCF12-50
NK Draka	RF1/2"-50
Eupen	EC4-50
Amphenol	AFY-50-12R

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