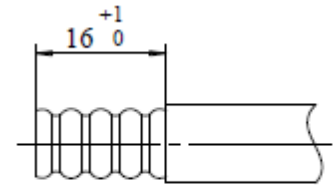
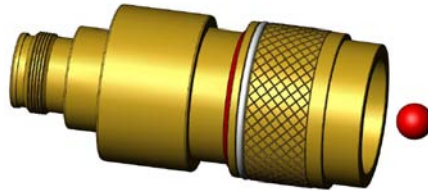


## Specification

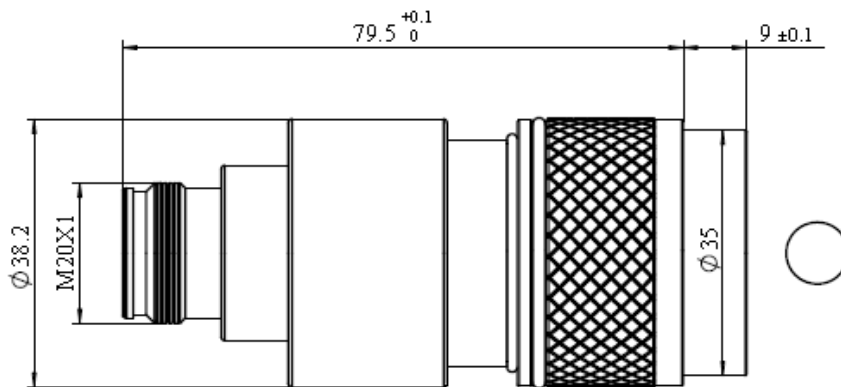
Product Description	4.3/10 Female Compression Connector for 7/8" Normal Cable	Date: 2020.07.20
Part NO.	AFDF120-1	Ver. 1

UNIT: mm

## [Installation instructions](#)



RECOMMENDED  
CABLE STRIPPING DIM'S



## Reference Standard

IEC61169-16

## Electrical Performance

Nominal Impedance ( $\Omega$ )	50
Frequency Range	DC~6GHz
VSWR	$\leq 1.10$ (0-3GHZ) $\leq 1.25$ (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 $\Omega$ )	$\leq 0.8$ (Inner Conductor) $\leq 0.4$ (Outer Conductor)

## Mechanical Performance

Interface Durability	500 Cycles
Retention	≥4N (Outer Conductor) ≥1.5N (Inner Conductor)
Mating Cycles	100
Tensile Force (Cable-Connector)	500 N
Torsion (Cable-Connector)	5 N.m
Nut Torque	5 N.m
(Nut) Whorl Pull	500 N

## Material and Plating

Connector Parts	Material	Plating
Inner Conductor	Spring copper	Ag 3μm
Outer Conductor	Brass	Copper-tin-zinc 3μm
Insulator	PTFE/TPX	
O-Ring	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	IP67
ROHS	Compliant(EU and China)

## Assembly

Inner conductor Installed and outer conductor Compressed.

Cable Supported	Cable Type Supported
Amphenol	AFY-50-78RLL
Draka	RF7/8"-50
Eupen	EC5-50A
Andrew	LDF5-50A
RFS	LCF78-50JA

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.