

Specification

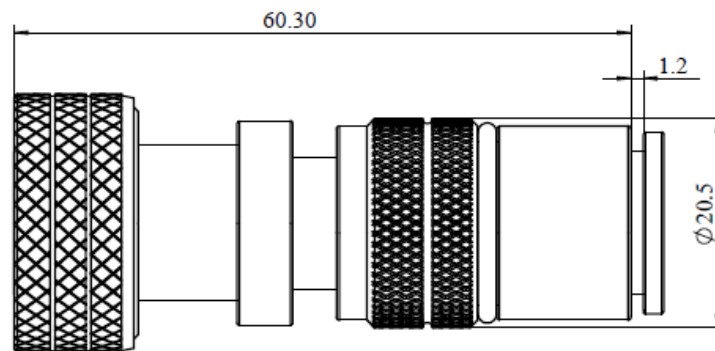
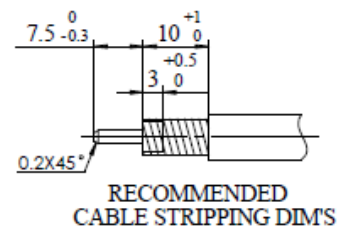
Amphenol

Changzhou Amphenol Fuyang Communication Equipment Co. Ltd.

Product Description	4.3/10 Male Compression Connector for 1/4" Superflexible Cable	Date: 2020.07.20
Part NO.	AFDF117-1	Ver. 1

UNIT: mm

[Installation instructions](#)



Reference Standard

IEC61169-16

Electrical Performance

Nominal Impedance (Ω)	50
Frequency Range	DC~6GHz
VSWR	≤ 1.15 (0-3GHz) ≤ 1.25 (3-6GHz)
PIM (dBc)	≤ -160 (2*43dBm)
Insertion Loss	$\leq 0.05\sqrt{F}$ (GHz)
Insulation Resistance(M Ω /500VDC)	≥ 5000
Proof Voltage (V/AC)	≥ 1000
Contact Resistance (m Ω)	<1.0 (Inner Conductor) <1.0 (Outer Conductor)

Mechanical Performance

Nut Torque	5N.m
(Nut) Whorl Pull	500 N
Tensile Force (Cable-Connector)	250 N
Torsion (Cable-Connector)	1.5N.m
Weight	117.38g

Material and Plating

Connector Parts	Material	Plating
Inner Conductor	Beryllium Copper	Ag 3μm
Outer Conductor	Brass	Copper-tin-zinc 3μm
Nut	Brass	Ni3μm
Insulator	TPX	

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 Compressed.

Cable Supported	Cable Type Supported
Amphenol	AFY-50-12S
Andrew	FSJ4-50B
Draka	RFF1/2"-50
Eupen	EC4-50-HF
RFS	SCF12-50

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