

Specification

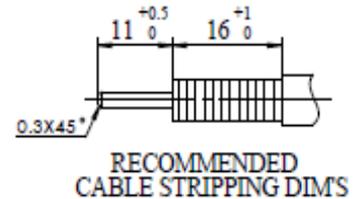
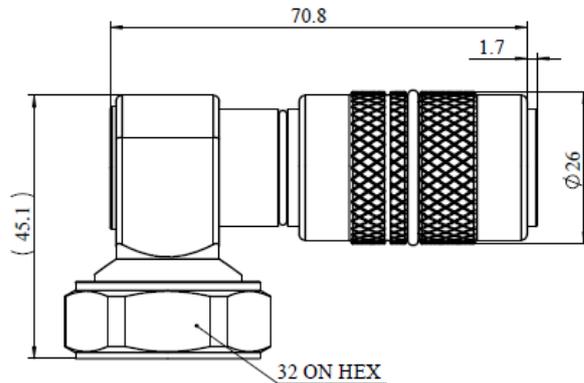
Amphenol

Changzhou Amphenol Fuyang Communication Equipment Co. Ltd.

Product Description	7/16 Male Angel Compression Connector for 1/2" Trilogy Plenum Cable	Date: 2020.07.22
Part NO.	AFB303-2	Ver. 1

UNIT: mm

[Installation instructions](#)



Reference Standard

IEC61169-4

Electrical Performance

Nominal Impedance (Ω)	50
Frequency Range	DC~5GHz
VSWR	≤1.15(0-3GHZ) ≤1.35(3-5GHZ)
PIM (dBc)	≤-160(2*43dBm)
Insertion Loss	≤0.05√F(GHZ)
Insulation Resistance(MΩ/500VDC)	≥10000
Proof Voltage (V/AC)	≥3000
Contact Resistance (mΩ)	≤0.8 (Inner Conductor) ≤0.2 (Outer Conductor)

Mechanical Performance

Interface Durability	500 Cycles
Nut Torque	25 N.m
(Nut) Whorl Pull	1000 N
Tensile Force (Cable-Connector)	500 N
Torsion (Cable-Connector)	3N.m
Weight	150.31g

Material and Plating

Connector Parts	Material	Plating
Inner Conductor	Brass/Spring copper	Ag 3µm
Outer Conductor	Brass	Copper-tin-zinc 3µm
Nut	Brass	Ni 3µm
Insulator	PTFE/TPX	
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 Compressed.

Cable Supported	Cable Type Supported
Trilogy	AP6012J50 (Plenum) APC012J50 (Plenum)

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.