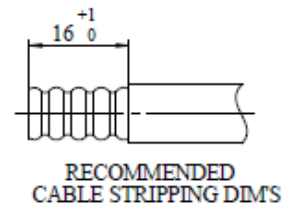
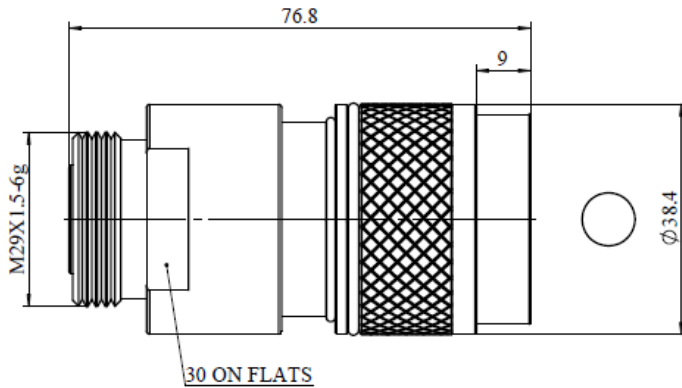


Specification

| | | |
|---------------------|---|------------------|
| Product Description | 7/16 Female Compression Connector for 7/8" Normal Cable | Date: 2020.07.20 |
| Part NO. | AFB772-1 | Ver. 3 |

UNIT: mm

[Installation instructions](#)



Reference Standard

IEC61169-4

Electrical Performance

| | |
|----------------------------------|---|
| Nominal Impedance (Ω) | 50 |
| Frequency Range | DC~6GHz |
| VSWR | ≤1.10(0-3GHZ) ≤1.25(3-6GHZ) |
| 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 |
| Retention | ≥5.88N |
| Mating Cycles | 500 |
| Tensile Force (Cable-Connector) | 500 N |
| Torsion (Cable-Connector) | 5 N.m |

Material and Plating

| Connector Parts | Material | Plating |
|-----------------|-----------------|---------------------|
| Inner Conductor | Spring Copper | Ag 3μm |
| Outer Conductor | Brass | Copper-tin-zinc 3μm |
| Insulator | 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 |
|-----------------|----------------------|
| 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.