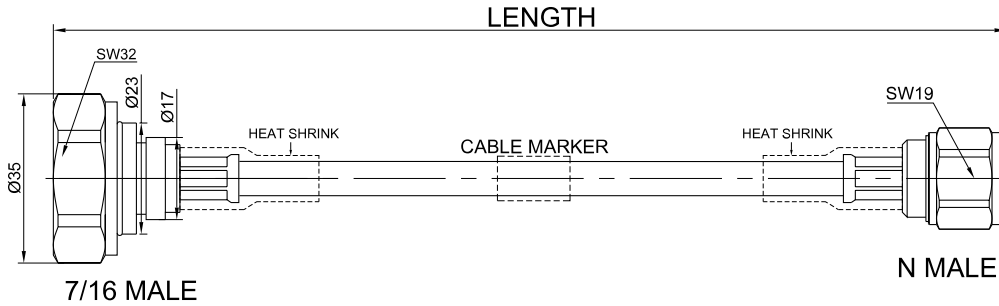


P/N: FRN9C-716MNM-XXX

7/16 DIN Male to N Male Cable Assembly | LMR400 Flexible Coax Cable With PE Jacket | DC - 3GHz



Dimensions are in mm

## Connectors Configuration

	Connector 1	Connector 2
Connector Series	7/16 DIN	N
Connector Polarity	Standard	Standard
Connector Gender	Male	Male
Connector Impedance (Ohm)	50	50
Connector Body Style	Straight	Straight
Connector Body Material	Brass	Brass
Connector Body Plating	Nickel	Nickel

## Cable Configuration

Cable Type	LMR400
Cable Impedance (Ohm)	50
Inner Conductor Material	Copper-clad aluminum wire
Dielectric Material	Foam PE
Number of Shields	2
Shield Layer 1 Material	Aluminum Tape
Shield Layer 2 Material	Tinned copper Braid
Jacket Material	PE
Cable Diameter (mm)	10.25
Cable Color	Black
Minimum Bend Radius (mm)	25.4
Capacitance (pF/m)	78.4
Velocity of Propagation	84%
Shielding Effectiveness	< -90dB @ 1GHz

## Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss ≤ (dB)
500	±5	DC - 3GHz	1.25 to 3GHz	0.25 to 3GHz
800	±10			0.30 to 3GHz
1000	±10			0.30 to 3GHz
1500	±15			0.43 to 3GHz
2000	±20			0.66 to 3GHz
3000	±30			0.92 to 3GHz
5000	±50			1.48 to 3GHz

## Environmental Specifications

RoHS Compliant

Yes

Operating Temperature Range

-40°C to +85°C

## Revision History

Version	Description	Prepared By	Approved By	Date
V1.0	Initial release	Grimm	Hebe	2026-5-8