

Product Specifications

COMMScope®



PLU010419

7 16 DIN Male Positive Stop™ for 1/2 in AL4RPV 50, LDF4 50A cable

General Specifications

Interface	7 16 DIN Male
Body Style	Straight
Brand	HELIAX® Positive Stop™
Mounting Angle	Straight

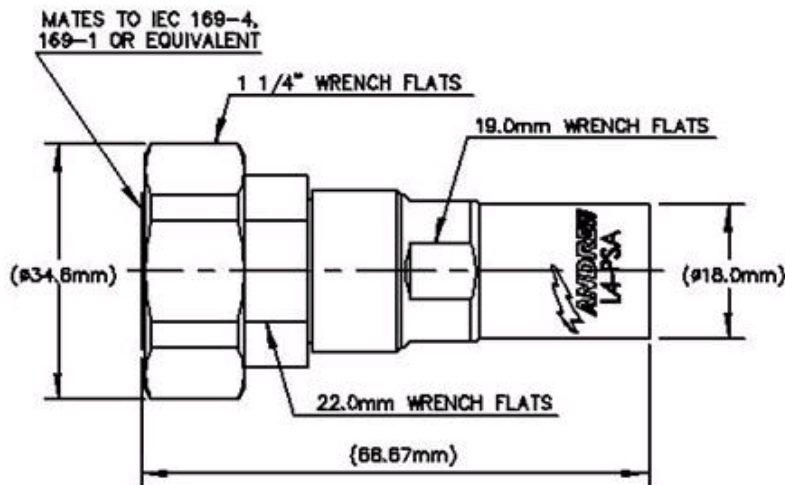
Electrical Specifications

Connector Impedance	50 ohm
Operating Frequency Band	0 – 8800 MHz
Cable Impedance	50 ohm
3rd Order IMD, typical	120 dBm @ 910 MHz
3rd Order IMD Test Method	Two +43 dBm carriers
RF Operating Voltage, maximum (vrms)	1415.00 V
dc Test Voltage	4000 V
Outer Contact Resistance, maximum	1.50 mOhm
Inner Contact Resistance, maximum	0.80 mOhm
Insulation Resistance, minimum	5000 MOhm
Average Power	1.1 kW @ 900 MHz
Peak Power, maximum	40.00 kW
Insertion Loss, typical	0.05 dB
Shielding Effectiveness	110 dB

Product Specifications

PLU010419

Outline Drawing



Mechanical Specifications

Outer Contact Attachment Method	Ring flare
Inner Contact Attachment Method	Captivated
Outer Contact Plating	Trimetal
Inner Contact Plating	Silver
Attachment Durability	25 cycles
Interface Durability	500 cycles
Interface Durability Method	IEC 61169 4:9.5
Connector Retention Tensile Force	890 N 200 lbf
Connector Retention Torque	5.42 N m 48.00 in lb
Insertion Force	200.17 N 45.00 lbf
Insertion Force Method	IEC 61169 1:15.2.4
Coupling Nut Proof Torque	25.00 N m 221.27 in lb
Coupling Nut Retention Force	1000.00 N 224.81 lbf
Coupling Nut Retention Force Method	MIL C 39012C 3.25, 4.6.22

Dimensions

Nominal Size	1/2 in
Diameter	34.60 mm 1.36 in
Length	68.67 mm 2.70 in
Weight	120.09 g 0.26 lb

Environmental Specifications

Operating Temperature	55 °C to +85 °C (67 °F to +185 °F)
Storage Temperature	55 °C to +85 °C (67 °F to +185 °F)