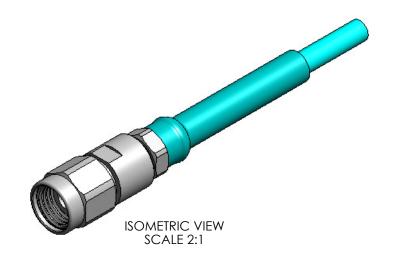
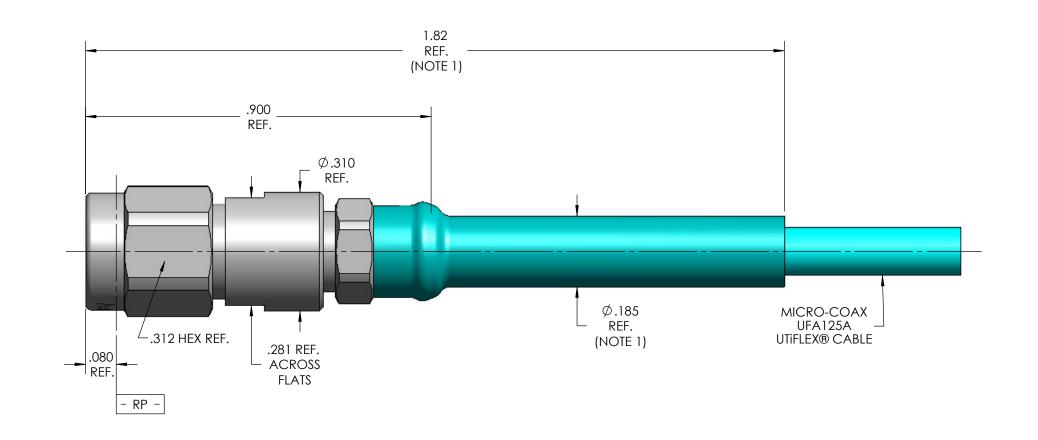
INTERFACE	IEEE P287
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	TEEL 1 207 IVET
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
COUPLING NUT PROOF TORQUE	15 IN-LBS. MAX.
FORCE TO ENGAGE	2 IN-LBS. MAX.
FORCE TO DISENGAGE	2 IN-LBS. MAX.
COUPLING NUT RETENTION	60 LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MAX.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MAX.
CABLE RETENTION	20 LBS. MIN.
MASS (SHEET 1)	5.00 GRAMS
MASS WITH ELBOW (SHEET 2)	7.83 GRAMS
ELECTRICAL (CHARACTERISTICS
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	50 GHz
VSWR DC - 18 GHz	1.12:1MAX.
18 GHz - 50 GHz	1.19:1 MAX
INSERTION LOSS	0.03 √F (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	750 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
18 - 50 GHz	TBD
CORONA	190 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL (5 MHz)	500 Vrms MIN.
CONTACT RESISTANCE (INNER)	3.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	3.0 MilliOhms MAX.
	AL CHARACTERISTICS
OPERATING TEMPERATURE	-65°C TO +125°C
OPERATING TEMPERATURE VIBRATION	-65°C TO +125°C MIL-STD-202, METHOD 204, CONDITION D
VIBRATION	MIL-STD-202, METHOD 204, CONDITION D
VIBRATION MECHANICAL SHOCK THERMAL SHOCK	MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B
VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE	MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B
VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION	MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION
VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION MATERIA	MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION MIL-STD-202, METHOD 101, CONDITION B, 5%
VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION MATERIA CONTACT BODLY, CLAMP NUT, COUPLING NUT, ELBOW &	MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION MIL-STD-202, METHOD 101, CONDITION B, 5% LS AND FINISH BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER
VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION MATERIA CONTACT BODY, CLAMP NUT, COUPLING NUT, ELBOW & ELBOW RETAINING RING	MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION MIL-STD-202, METHOD 101, CONDITION B, 5% LS AND FINISH BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER MAS-QQ-N-290. STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300,
VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION MATERIAL CONTACT BODY, CLAMP NUT, COUPLING NUT, ELBOW & ELBOW RETAINING RING GASKET	MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION MIL-STD-202, METHOD 101, CONDITION B, 5% LS AND FINISH BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290. STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. \$30300, PASSIVATE PER ASTM-A-967
VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION MATERIAL CONTACT BODY, CLAMP NUT, COUPLING NUT, ELBOW & ELBOW RETAINING RING GASKET BEAD	MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION MIL-STD-202, METHOD 101, CONDITION B, 5% LS AND FINISH BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290. STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967 SILICONE RUBBER PER ZZ-R-765 KEL-F PER MIL-P-16036 BRASS, PER ASTM-B-16, GOLD PLATE PER MIL-DTL-45204, OVER
VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION MATERIA CONTACT BODY, CLAMP NUT, COUPLING NUT, ELBOW & ELBOW RETAINING RING GASKET BEAD CONTACT RING	MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION) MIL-STD-202, METHOD 101, CONDITION B, 5% LS AND FINISH BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290. STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967 SILICONE RUBBER PER ZZ-R-765 KEL-F PER MIL-P-16036 BRASS, PER ASTM-B-16, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER MIL-DTL-45204, OVER
VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION MATERIAL CONTACT BODY, CLAMP NUT, COUPLING NUT, ELBOW & ELBOW RETAINING RING GASKET BEAD CONTACT RING DIELECTRIC BEAD	MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION MIL-STD-202, METHOD 101, CONDITION B, 5% LS AND FINISH BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290. STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967 SILICONE RUBBER PER ZZ-R-765 KEL-F PER MIL-P-16036 BRASS, PER ASTM-B-16, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 POLYETHERIMIDE THERMOPLASTIC, PER ASTM-D-5205
VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION MATERIA CONTACT BODY, CLAMP NUT, COUPLING NUT, ELBOW & ELBOW RETAINING RING GASKET BEAD CONTACT RING DIELECTRIC BEAD SNAP RING	MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION MIL-STD-202, METHOD 101, CONDITION B, 5% LS AND FINISH BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290. STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967 SILICONE RUBBER PER ZZ-R-765 KEL-F PER MIL-P-16036 BRASS, PER ASTM-B-16, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 POLYETHERIMIDE THERMOPLASTIC, PER ASTM-D-5205 BERYLLIUM COPPER, PER ASTM-B-197
VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION MATERIAL CONTACT BODY, CLAMP NUT, COUPLING NUT, ELBOW & ELBOW RETAINING RING GASKET BEAD CONTACT RING DIELECTRIC BEAD SNAP RING ELBOW COVER	MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION MIL-STD-202, METHOD 101, CONDITION B, 5% MIL-STD-202, METHOD 101, CONDITION B, 5% BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290. STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967 SILICONE RUBBER PER ZZ-R-765 KEL-F PER MIL-P-16036 BRASS, PER ASTM-B-16, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 POLYETHERIMIDE THERMOPLASTIC, PER ASTM-D-5205 BERYLLIUM COPPER, PER ASTM-B-197 BRASS, PER ASTM-B-16
VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION MATERIAL CONTACT BODY, CLAMP NUT, COUPLING NUT, ELBOW & ELBOW RETAINING RING GASKET BEAD CONTACT RING DIELECTRIC BEAD SNAP RING ELBOW COVER APPI	MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION) MIL-STD-202, METHOD 101, CONDITION B, 5% LS AND FINISH BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290. STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967 SILICONE RUBBER PER ZZ-R-765 KEL-F PER MIL-P-16036 BRASS, PER ASTM-B-16, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 POLYETHERIMIDE THERMOPLASTIC, PER ASTM-D-5205 BERYLLIUM COPPER, PER ASTM-B-197 BRASS, PER ASTM-B-16
VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION MATERIAL CONTACT BODY, CLAMP NUT, COUPLING NUT, ELBOW & ELBOW RETAINING RING GASKET BEAD CONTACT RING DIELECTRIC BEAD SNAP RING ELBOW COVER	MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION) MIL-STD-202, METHOD 101, CONDITION B, 5% LS AND FINISH BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290. STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967 SILICONE RUBBER PER ZZ-R-765 KEL-F PER MIL-P-16036 BRASS, PER ASTM-B-16, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 POLYETHERIMIDE THERMOPLASTIC, PER ASTM-D-5205 BERYLLIUM COPPER, PER ASTM-B-197 BRASS, PER ASTM-B-16

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SPECIFICATION DRAWING

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NOTE:

- 1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.
- 2. SEE SHEET 2 FOR 90° ELBOW CONFIGURATION.

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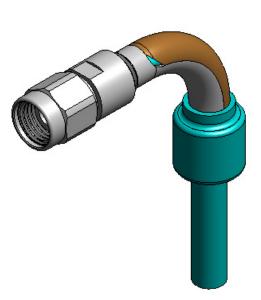
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> MICRO-COAX UFA125A -UTIFLEX® CABLE

DESCRIPTION

SEE SHEET 1 FOR REVISION HISTORY



ISOMETRIC VIEW SCALE 2:1

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