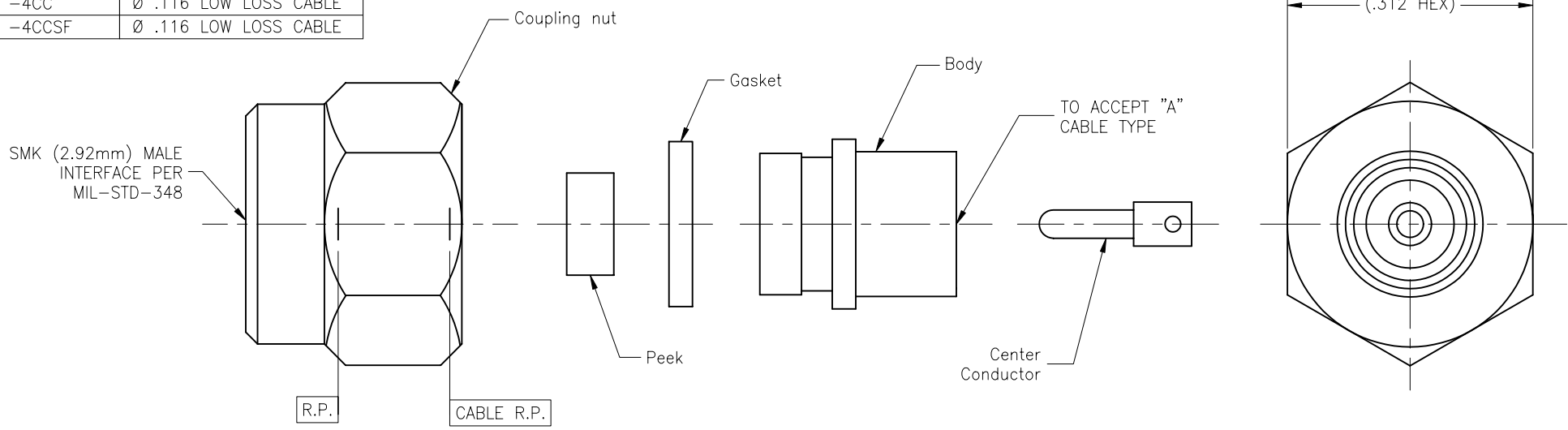


P/N	"A" CABLE TYPE
-1CC	Ø .141 SEMI-RIGID CABLE
-1CCSF	Ø .141 SEMI-RIGID CABLE
-2CC	Ø .085 SEMI-RIGID CABLE
-2CCSF	Ø .085 SEMI-RIGID CABLE
-3CC	Ø .141 LOW LOSS CABLE
-3CCSF	Ø .141 LOW LOSS CABLE
-4CC	Ø .116 LOW LOSS CABLE
-4CCSF	Ø .116 LOW LOSS CABLE

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	BY
-	A	ECO 22660	11.24.09	DKN



* ALL COMPONENTS TO BE PACKAGED AND SHIPPED UNASSEMBLED.

MATERIAL:	ELECTRICAL:	MECHANICAL:	ENVIRONMENTAL:
Body And Coupling Nut: 303 sst per ASTM A-582. Center Conductor: BeCu alloy per ASTM B-196. Insulator: Peek. Gasket: Viton per MIL-R-83248.	Impedance: 50 Ohms nominal. Frequency Range: DC to 40 GHz. VSWR: 1.05 + .005(f) max to 40 GHz. Insertion Loss: $.04\sqrt{f(\text{GHz})}$ dB max. Working Voltage: 500 Vrms max @ sea level. Dielectric Withstanding Voltage: 1500 Vrms. R.F. HiPot Voltage: 1000 Vrms min @ 5MHz. Corona Level: 375 Vrms @ 70,000 ft. Insulation Resistance: 5000 MegOhms min. R.F. Leakage: -90 dB min from 2 ~ 3 GHz. Contact Resistance: Initial: Center Contact: 3.0 Milliohm max. Outer Contact: 2.0 Milliohm max. After Environment: Center Contact: 4.0 Milliohm max. Outer Contact: NA.	Mating Characteristics: Interface per Mil-Std-348. Force To Engage & Disengage: Torque: 2 inch-pounds max. Longitudinal Force: NA. Connector Durability: 500 cycles min @ 12 cycles/minute max. Permeability: Less than 2.0 mu. Coupling Proof Torque: 15 inch-pounds min. Coupling Mech. Retention: 60 pounds min.	Operating Temperature: -55° to +165°. Thermal Shock: Mil-Std-202, Method 107, Test Cond. B, except high temperature will be +150°C. Moisture Resistance: Mil-Std-202, Method 106, Insulation resistance at least 200 MegOhms within 5 minutes after removal from humidity. Corrosion: Mil-Std-202, Method 101, Test Cond. B. Vibration: Mil-Std-202, Method 204, Test Cond. D. Shock: Mil-Std-202, Method 213, Test Cond. I.

FINISH:
Coupling Nut: (for SF's): Passivate per ASTM A-697. (for CC's): Gold plate per ASTM B-488 over nickel underplate per AMS-QQ-N-290. Body and Center Conductor: Gold plate per ASTM B-488 over nickel underplate per AMS-QQ-N-290.

APPLICABLE CARLISLE IT DOCUMENTS		
WORK STD	PROD INST	ASSY INST
NA	NA	AI-286

NOTICE

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TOLERANCES AND NOTES EXCEPT AS NOTED	
DIMENSIONS ARE IN INCHES.	
LINEAR	.XXX ±.015 ANGULAR ± 1/2°
FRACTION	± 1/32
1.	MACHINE FINISH: $\sqrt{32}$ / RMS
2.	BREAK ALL SHARP EDGES .003 MAX.
3.	MACHINED FILLETS .005 MAX.
4.	MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH.
5.	MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R.
6.	DIMENSIONS TO BE MET BEFORE PLATING.
7.	CHAMFER ALL THREADS 45°.
8.	THREADS PER H-28
9.	REMOVE FRAVED EDGES ON TEFLON.
10.	REMOVE ALL BURRS.

MATERIAL		SIZE	SPECIFICATION	PROCUREMENT
APPROVAL INITIALS	DATE			
DRAWN BY	RC	3.13.02		
CHECKED BY				
TEST ENGG				
QUALITY				
DESIGN ENGG	DNg	11.24.09		
MFG ENGG				
TITLE		SMK MALE STRAIGHT TO SEMI-RIGID CABLE W/ RETRACTABLE COUPLING NUT		
SCALE		SUB-DIRECTORY\FILENAME		
10:1		_OL\		
SIZE	CAGE CODE	DRAWING NO.	SHEET 1 of 1	
C	30990	201	A	