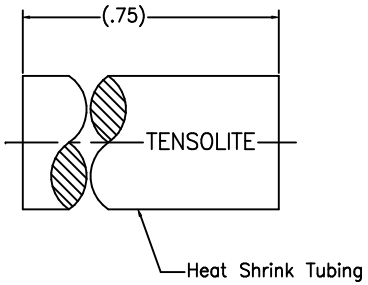
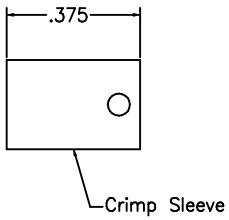
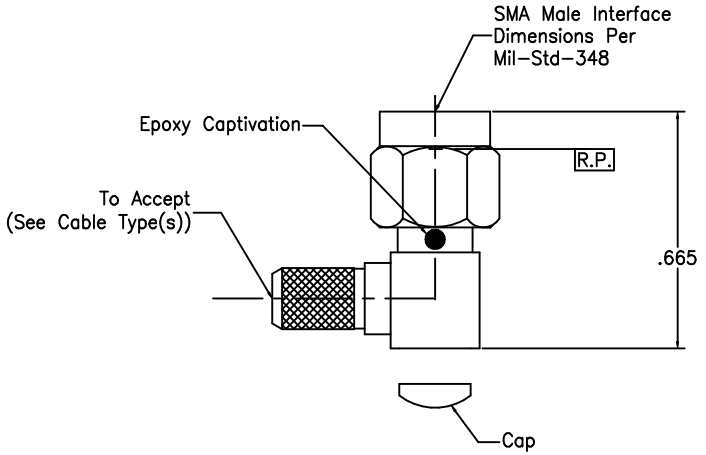
P/N	APPLICABLE NOTE(S)	FLEXIBLE CABLE(S)
-1CC	1	RG55, 58, 141, 142, 223, 303, 400
-1CCSF	1	
-2CC	1	RG174, 188,316,179,187
-2CCSF	1	
-3CC	1	RG316
-4CC	1	RD316, M17/152-00001
-4CCSF	1	

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	BY
-	A	ECO 17343 (ADD -3 & -4)	08.19.04	JF
-	B	ECO 21893	01.08.09	K.NG
-				







Note(s):

1. Center conductor, crimp sleeve and heat shring tubing are packaged and shipped unassembled.

MATERIAL(S):

Body and Coupling Nut:
303 sst per ASTM A-582.
Center Conductor and Cap:
Brass alloy per ASTM B-16.
Retaining Ring:
BeCu alloy per ASTM B-196
Insulator:
PTFE per ASTM D-1710.
Gasket:
Silicone Rubber per A-A-59588.
Epoxy:
Sigma VF Type HV
Heat Shrink Tubing:
Tubing per AMS-DTL-23053.

ELECTRICAL(S):

Impedance: 50 Ohms nominal.
Frequency Range: Maximum operating freq. of cable.
VSWR: 1.018 + .018 x f (GHz).
Working Voltage: 600 Vrms max @ sea level.
150 Vrms max @ 70,000 ft.
Dielectric Withstanding Voltage: 1000 Vrms min.
R.F. HiPot Voltage: 670 Vrms min @ 5MHz.
Corona Level: 250 Vrms @ 70,000 ft.
Insulation Resistance: 5000 MegOhms min.
R.F. Leakage: -60 dB min from 2-3GHz.
Contact Resistance:
Initial:
Center Contact: 2.0 Milliohm max.
Outer Contact: 2.0 Milliohm max.
After Environment:
Center Contact: 3.0 Milliohm max.
Outer Contact: NA.

MECHANICAL(S):

Mating Characteristics:
Interface per Mil-Std-348.
Force To Engage & Disengage:
Torque: 2 inch-pounds max.
Longitudinal Force: NA.
Center Contact Retention:
Axial Force: 6 pounds min.
Connector Durability:
500 cycles min @ 12 cycles/minute max.
Permeability: Less than 2.0 mu.
Center Contact Captivation:
Axial Force: 6 pounds min.
Radial Torque: 4 inch-ounces min.
Coupling Proof Torque: 15 inch-pounds min.
Coupling Mech. Retention: 60 pounds min.

ENVIRONMENTAL(S):

Temperature Range: -65°C to +165°C.
Thermal Shock:
Mil-Std-202, Method 107, Test Cond. B.
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(ES):

Body, Cap & Center Conductor:
Gold plate per ASTM B-488, over nickel under plate per AMS-QQ-N-290.
Coupling Nut:
for CCSF's: Passivate per ASTM A-967, Nitric 1.
for CC's: Gold plate per ASTM B-488, over nickel under plate per AMS-QQ-N-290.

APPLICABLE CARLISLE IT DOCUMENTS

WORK STD	PROD INST	ASSY INST
NA	NA	NA

TOLERANCES AND NOTES EXCEPT AS NOTED

DIMENSIONS ARE IN INCHES.
LINEAR .XX ±.015 .XXX ±.005 ANGULAR ± 1/2°
FRACTION ± 1/32

1. MACHINE FINISH: 63 RMS
2. BREAK ALL SHARP EDGES .003 MAX.
3. MACHINED FILLETS .005 MAX.
4. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .008 INCHES PER INCH.
5. MACHINED DIAMETERS CONCENTRIC WITHIN .003 T.I.R.
6. DIMENSIONS TO BE MET BEFORE PLATING.
7. CHAMFER ALL THREADS 45°.
8. THREADS PER H-28.
9. REMOVE FRAYED EDGES ON TEFLON.
10. REMOVE ALL BURRS.

MATERIAL	SIZE	SPECIFICATION	PROCUREMENT
-	-	-	-

APPROVAL INITIALS		DATE
DRAWN BY	IMG	03.19.02
CHECKED BY		
TEST ENGG		
QUALITY		
DESIGN ENGG	DNG	01.13.09
MFG ENGG		

CARLISLE Interconnect Technologies
Long Beach, CA 90815

TITLE: SMA MALE MITER RIGHT ANGLE TO FLEX CABLE

SCALE	SUB-DIRECTORY\FILENAME	SHEET
4:1	OL_	1 OF 1

SIZE	CAGE CODE	DRAWING NO.	REV.
C	30990	5851	B

ENG-DWG REV. C