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DESIGNED FOR USE WITH
RG55/U,142,223,400
CABLE ENTRY DIAMETER
MINIMUM

CONTACT	.040
SLEEVE	.119
DIELECTRIC	.040

LOC
AJ

DIST
00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	REV PER ECO 07-004710	3/12/2007	DW	KW

1.500
(38.1mm) MAX

.964 ±.030
(24.5mm)

.714 ±.025
(18.1mm)

.312 HEX
(7.9mm)

.250 HEX
(6.4mm)

.850
(21.6mm)

1.265
(32.1mm)

HEAT SHRINK TUBING

OSM PLUG

REF PLANE

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions MIL-STD-348A Fig. 310-1	Temperature Rating -65°C *
Frequency Range (GHz) <u>0 *</u>	Recommended Mating Torque <u>7-10 IN-Lbs</u>	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) <u>335</u>	Mating Characteristics: Insertion (MAX Lbs) <u>3.0</u>	Shock MIL-STD-202, Method 213, Condition I
VSWR <u>1.15 +.01(f GHz)</u>	Withdrawal (MIN Oz) <u>1.0</u>	Termal Cycling MIL-STD-202, Method 107, Condition B Except
Insertion Loss (dB MAX) <u>.06(f√GHz)</u>	Connector Engagement and Disengagement (In-Lbs MAX) <u>2.0</u>	HIGH TEMP SHALL BE 85°C (HIGH TEMP SHALL BE 200°C WHEN USED WITH 200°C CABLES PER MIL-C-17)
RF Leakage (dB) <u>-60</u>	Center Contact Captivation: Axial <u>6.0</u>	Moisture Resistance MIL-STD-202, Method 106
Corona, 70 Ft (VRMS MIN) <u>250</u>	Radial <u>N/A</u>	Corrosion MIL-STD-202, Method 101, Condition B
Dielectric Withstanding Voltage (VRMS MIN) <u>1,000</u>	Cable Retention Axial Lbs <u>40 Min</u>	
Contact Resistance (Milliohms MAX)	Torque <u>N/A</u>	
Center Contact <u>3.0</u>	Weight (Grams) <u>5.0</u>	* SEE MIL-C-17 FOR MAX RATINGS FOR APPLICABLE CABLE.
Outer Contact <u>2.0</u>	Hermetic Seal <u>N/A</u>	
Cable To Housing (Milliohms Max) <u>0.5</u>		
RF High Potential (VRMS MIN @ 5 MHz) <u>670</u>		
I.R. (Megohms) <u>5,000</u>		

1051661-1

PART NUMBER

HOUSING COUPLING NUT CLAMP NUT SLEEVE	STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303	PASSIVATED PER QQ-P-35
DIELECTRIC	NYLON	N/A
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H OR BRASS PER ASTM-B-16	GOLD PLATE PER MIL-G-45204
RETAINING RING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	N/A
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A
SHRINK TUBING	HEAT SHRINKABLE POLYOLEFIN COMPOUND MIL-I-23053/4	N/A
FERRULE	COPPER OR BRASS ALLOY ROCKWELL F65 MAXIMUM	GOLD PLATE PER MIL-G-45204
COMPONENT	MATERIAL	FINISH

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
INCHES

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC ± -
1 PLC ± -
2 PLC ± -
3 PLC ± .005
4 PLC ± -
ANGLES ± 1°
FINISH -

MATERIAL
-

FINISH
-

DWN DRF 10-15-76

CHK RBJ 4-07-77

APVD RME 4-07-77

PRODUCT SPEC

APPLICATION SPEC

WEIGHT -

CUSTOMER DRAWING

tyco
Electronics

Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME
OSM STARIGHT CABLE
PLUG CRIMP ATTACHMENT

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=1051661

RESTRICTED TO
-

SCALE
5:1

SHEET
1 of 1

REV
B

AMP 1471-9 REV 31MAR2000