

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

© COPYRIGHT - BY TYCO ELECTRONICS CORPORATION. ALL RIGHTS RESERVED.

DESIGNED FOR USE WITH
RG-58/U, 141, 303
FLEXIBLE CABLES
CABLE ENTRY DIAMETER
MINIMUM
CONTACT .040
HOUSING .121

LOC
AJ

DIST
00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	REV PER ECO 07-004710	3/9/2007	DW	KW

REF PLANE

OSM PLUG

.312 HEX
(7.9mm)

.330 REF
(8.4mm)

HEAT SHRINK TUBING

.666 REF
(16.9mm)

.413
(10.5mm)

.475 #.015
(12.1mm)

.94 REF
(23.9mm)

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions	Temperature Rating
Frequency Range (GHz) Max operating frequency of cable per MIL-C-17	MIL-STD-348, Fig. 310.1	-65°C TO 125°C
Voltage Rating (VRMS MIN) 335 @ Sea Level	Recommended Mating Torque 7 to 10 Inch-Pounds	Vibration MIL-STD-202, Method 204, Cond. D
VSWR 1.15+.02f(GHz)	Mating Characteristics:	Shock MIL-STD-202, Method 213, Cond. I
Insertion Loss(dB MAX) .07 f(GHz)	Insertion (MAX Lbs) N/A	Thermal shock MIL-STD-202 Method 107, Cond. B except HIGH TEMP SHALL BE 115°C
Rf Leakage (dB MIN) -[60-f(GHz)]	Withdrawal (MIN Oz) N/A	Moisture Resistance
Corona, 70,000 Ft (VRMS MIN) 250 D.W.V.	Force to Engage	MIL-STD-202, Method 106, except step 7b (vibration) shall be omitted
(VRMS MIN) 1000 @ Sea Level	Center Contact Captivation:	Corrosion MIL-STD-202, Method 101, Cond. B, 5% salt spray
Contact Resistance	Axial (Lbs) 6.0	
Center Contact (Milliohms MAX) 3.0	Radial (Inch-Ounces) 4.0	
Outer Contact (Milliohms MAX) 2.0	Cable Retention	
Cable To Hsg. (Milliohms MAX) 0.5	Axial (Lbs) 40 Min(45 Min when used with double braid cable)	
RF High Potential (VRMS MIN @ 5 MHz) 670 @ Sea Level	Torque (Inch Ounces) N/A	
I.R. (Megohms Min) 10,000	Weight (Grams) 4.8	
	Hermetic Seal N/A	

HOUSING COUPLING NUT CAP	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290
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 OVER NICKEL PLATE PER QQ-N-290
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 OVER COPPER PLATE PER MIL-C-14550
COMPONENT	MATERIAL	FINISH

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

MATERIAL -

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

DWN BB 1/12/93

CHK -

APVD DC 1/15/93

PRODUCT SPEC -

APPLICATION SPEC -

WEIGHT -

CUSTOMER DRAWING

tyco
Electronics

Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME OSM RIGHT ANGLE CABLE PLUG-CRIMP ATTACHMENT

SIZE A2 CAGE CODE 00779 DRAWING NO C-1052092 RESTRICTED TO -

SCALE 2:1 SHEET 1 of 1 REV B

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[2037-5056-00](#)