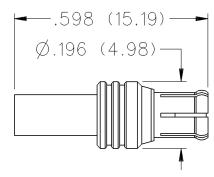
INCHES (MILLIMETERS)
CUSTOMER DRAWINGS AVAILABLE UPON REQUEST

For Flexible Cable

Straight Crimp Type Plug - Solder or Crimp Contact - Captivated Contact



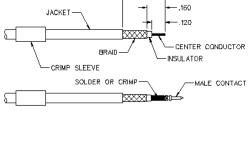


CABLE TYPE	GOLD PLATED	
RG-316/u, 188, 174	133-9403-001	

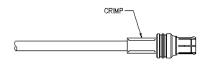
MCX Crimp Type Straight Connectors For Flexible Cable

CABLE GROUP	PART NUMBER	CRIMP HEX
RG-316/u, 188, 174	133-9403-001	.128 (3.25)
RG-316DS, 188DS	133-9404-001	.151 (3.83)

PLUG









Strip cable to dimensions shown. Do not nick braid or center conductor. Tin center conductor if contact is to be solder attached. Do not tin center conductor if contact is to be crimp attached. Slide heat shrink (as applicable) and crimp sleeve onto jacket of cable.

STD PLUG CONTACT

3. Assemble contact onto cable as shown.

CRIMP SLEEVE

Solder attachment. Solder contact to center conductor through solder hole using .020 (0.51) diameter solder. Use a minimum of solder for a good joint.

Crimp attachment. Crimp contact to center conductor using Johnson Components[™] hand tool 140-0000-952 and die set 140-0000-953. Crimp location should be centered between end of contact and cross hole. Crimp attachment to solid center conductor cable is not recommended.

4. Flair braid and slide body assembly over contact and under braid. Then seat body assembly firmly onto contact. The cable may have to be held in a clamping fixture. Arrange braid uniformly around crimp stem. Slide crimp sleeve forward and crimp using recommended crimp tool. Slide heat shrink forward and shrink (as applicable).



MCX Non-Magnetic RF Connectors Specifications

INCHES (MILLIMETERS)
CUSTOMER DRAWINGS AVAILABLE UPON REQUEST

SPECIFICATIONS

ELECTRICAL RATINGS			
Impedance: 50 Ohms			
Frequency Range: 0-6 GHz			
VSWR : (f = GHz)	Straight Cabled Connectors		ight Angle d Connectors
RG-316 cable			
Uncabled receptacles			N/A
Working Voltage: (Vrms maximum)			
Connectors for Cable Type	Sea Level		70K Feet
RG-316	335		85
Dielectric Withstanding Voltage: (V	RMS minimum at se	ea leve	el)
Connectors for RG-316, uncabled r	eceptacles		1000
Corona Level: (Volts minimum at 70,	000 feet)		
Connectors for RG-316, uncabled r	eceptacles		250
Insertion Loss: (dB maximum, tested	d at 1 GHz)		
Straight cable connectors			0.1 dB
Right angle cable connectors			0.2 dB
Uncabled receptacles			N/A
Insulation Resistance: 10,000 mego	hms minimum		
Contact Resistance: (milliohms max	imum)		After
	<u>In</u>	itial	Environmental
Center contact (straight cabled conne	ctors,		
uncabled receptacles)		5.0	8.0
Center contact (right angle cabled cor	nnectors)	5.0	15.0
Outer contact		1.0	1.5
Braid to body		1.0	N/A

RF Leakage: (dB typical tested at 2.5 GH. Cable connectors	,	55
Uncabled receptacles		N/A
RF High Potential Withstanding Voltage	e: (Vrms minimum, te	ested at 4 and 7
MHz)		
Cabled connectors		700
Uncabled receptacles		600
MECHANICAL RATINGS		
Engagement Design: Compatible with Cl	ECC 22220, Series N	ИCX
Engagement Force: 5.6 pounds maximum	m axial force	
Disengagement Force: 8 pounds maxim	um axial force, 1 pou	ınd min.
Contact Retention: 2.3 pounds min. axia 1 inch-ounce min. torque (uncabled reco	\ I	ontacts)
Cable Retention:	Axial Force*	Torque
	(pounds)	<u>(in-oz)</u>
Connectors for RG316	20	N/A
Connectors for RG316DS	25	N/A
* or cable breaking strength whichever is I	ess.	
ENVIRONMENTAL RATINGS (Meets or of MIL-PRF-39012)	exceed the applical	ole paragraph o

Durability: 500 cycles minimum

Temperature Range: - 65°C to + 165°C

Thermal Shock: MIL-STD-202, Method 107, Condition F Corrosion: MIL-STD-202, Method 101, Condition B Shock: MIL-STD-202, Method 213, Condition B Vibration: MIL-STD-202, Method 204, Condition B