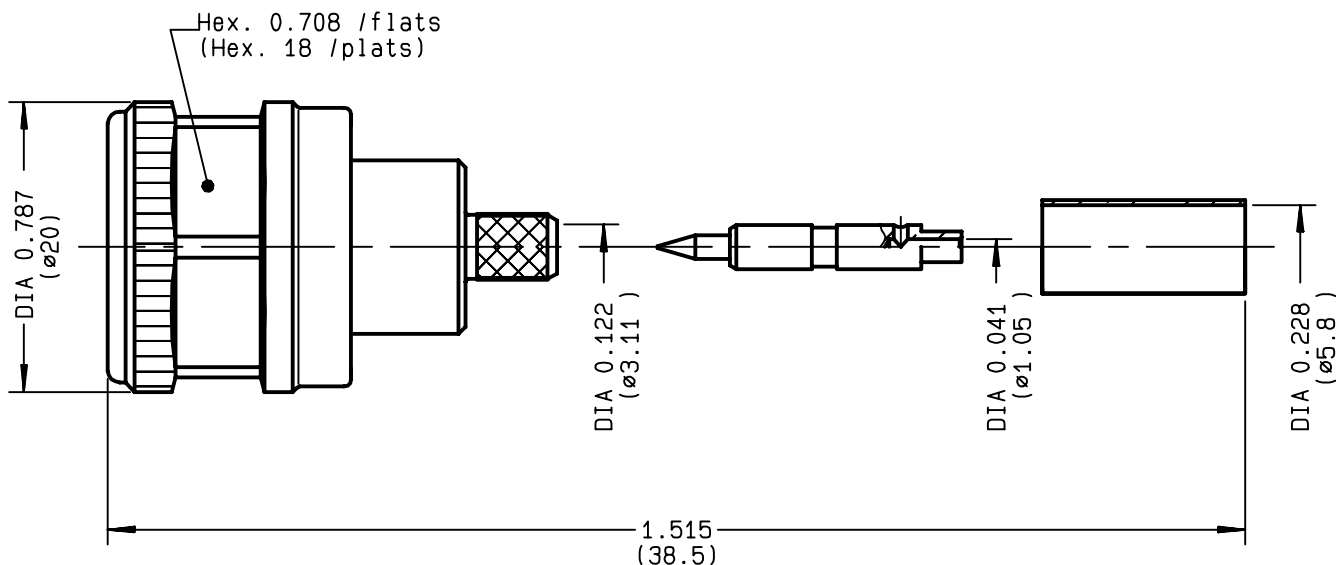


STRAIGHT PLUG FULL CRIMP-TYPE
CABLE 5/50 D
R161.083.137
SERIES N


NOMINAL IMPEDANCE	50	Ω
FREQUENCY RANGE	0-11	GHz
TEMPERATURE RATING	-55/+155	$^{\circ}\text{C}$
V.S.W.R	1.15*	+ x F(GHz)Maxi
RF INSERTION LOSS	0.048	$\sqrt{F}(\text{GHz})$ dB Maxi
VOLTAGE RATING	850	Veff Maxi
DIELECTRIC WITHSTANDING VOLTAGE	1500	Veff Mini
INSULATION RESISTANCE	5000	M Ω Mini
HERMETIC SEAL	NA	Atm.cm ³ /s
LEAKAGE (pressurized only)	NA	
MECHANICAL DURABILITY	500	Cycles
WEIGHT	24.8	gr
SPECIFICATION	* 0-2 GHz	

CABLES : **KX 23****RG 142****RG 142 FTX****RG 223****RG 400**

OTHERS CHARACTERISTICS

PIM3 < -155 dBc (-112 dBm) 2x20WCABLE RETENTION **200** N Mini

CENTER CONTACT RETENTION

Axial force - mating end **27** N MiniAxial force - opposite end **27** N MiniTorque **NA** cm.N Mini

RECOMMENDED TORQUES

Mating **170** cm.NPanel nut **NA** cm.NClamp nut **NA** cm.N

CONNECTOR PARTS: MATERIALS

BODY	BRASS
OUTER CONTACT	BRASS
CENTER CONTACT	BRASS
INSULATOR	PTFE
GASKET	SILICONE RUBBER
OTHERS PIECES	BRASS

FINISH (all values are given in micrometers)

BBR 0.5 OVER SILVER 3
BBR 0.5 OVER SILVER 3
SILVER 3 OVER COPPER 0.5
-
-
BBR 0.5 OVER SILVER 3

ISSUE

9808D03

CREATION DATE

24/11/1993

FILE PART-NUMBER

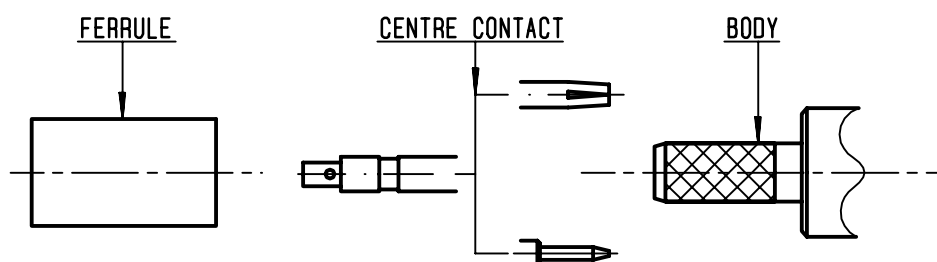
93-1208-006
RADIALL®

The information given here is subject to change without notice.
 Design changes may be in order to improve the product.

Connect to the future

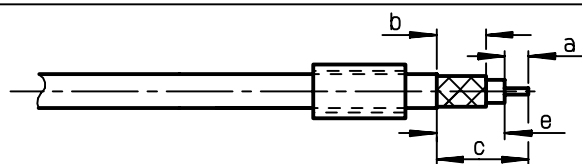
**R161.083.137**ISSUE **9808D03** SERIES

N

**①**

Slide onto the cable the ferrule .
Strip the cable.

-
-
-

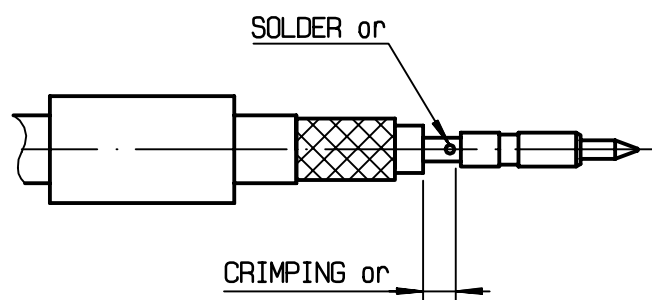


Stripping	a	b	c	d	e
inch	0.177	0.315	0.551	0	0.374
mm	4.5	8	14		9.5

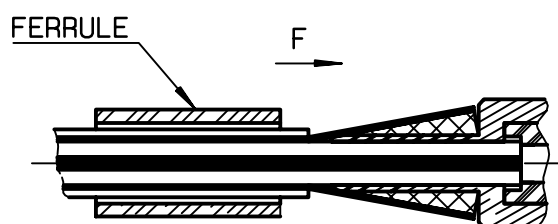
②

Slide on centre contact until it
bottoms against cable dielectrique .
Solder or crimp centre contact .
Crimping tool :R 282 223 000 (hex: .068)
or R282 293 000 (M22520/5-01) +
dies R282 235 011 (M22520/5-11)
(We advice to solder centre contact
to improve electrical performances)

-

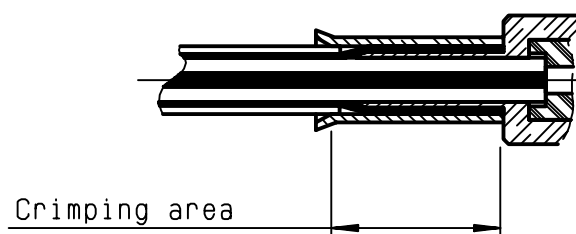
**③**

Fan the braid.
Slide cable into the body until
bottoms against insulator .
Slide ferrule over the braid .
(In direction F)

**④**

Crimp the ferrule with crimping tool
R 282 223 000 (Hex. : .213) or
crimping tool M22520/5-01 (R 282 293 000)
+ dies M22520/5-11 (R 282 235 011)
Cut the excess of braid .
Slide sleeve over ferrule
in place .

-
-



Mouser Electronics

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Radial:

[R161083137](#) [R161083137W](#)