

TEST/CHARACTERISTICS	STANDARD REFERENCE	VALUES/REMARKS
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ELECTRICAL CHARACTERISTICS

Impedance		75 Ω
Frequency range		DC-1 GHz
V.S.W.R. max <i>Straight models cable group :</i> 2.6/75, 5/75, 6/75, 8/75, 10 + 11/75 <i>Right angle models</i> 2.6/75, 6/75		1.30 1.35
Insertion loss <i>straight connector</i> <i>right-angle connector</i>		0.2 dB max at 1 GHz 0.3 dB max at 1 GHz
RF Leakage		- 55 dB min from 2 to 3 GHz
Insulation resistance		5000 MΩ min
Contact resistance <i>center contact</i> <i>outer contact</i>	MIL	1.5 mΩ 0.2 mΩ
Working voltage in VRMS <i>at sea level</i> <i>(at 21 000m)</i>		500 125
Dielectric withstanding voltage in VRMS <i>at sea level</i> <i>(at 21 000m)</i>		1500 375
RF testing voltage in VRMS <i>sea level (5 MHz)</i>		1000

MECHANICAL CHARACTERISTICS

Durability		500 matings
Force to engage and disengage <i>axial</i> <i>torque</i>		13.6 N max 28.6 Ncm
Coupling nut retention force	MIL	445 N
Cable retention force <i>cable 2.6/75, 5/75,</i> <i>6/75, 8/75, 10 + 11/75</i>		340 N
Center contact retention force		

ENVIRONMENTAL CHARACTERISTICS

Temperature range <i>flexible cables</i>	MIL	- 65°C + 165°C
Thermo cycling test		MIL STD 202, method 107, condition B
Thermal shock		
Hight temperature endurance		MIL STD 202, method 108
Corrosion salt spray		MIL STD 202, method 101, condition B
Vibration		MIL STD 202, method 204, condition B
Shock		MIL STD 202, method 213, condition G
Moisture resistance		MIL STD 202, method 106
Hermetic test		MIL STD 202, method 112, condition C vacuum 10 ⁻⁶ Hgmm (Torr) leakage rate < 10 ⁻⁶ atm/cm ³ /s
Barometric pressure		Pressure test : 3.5 bars; duration : 2 mn; temperature : 15° C to 25 °C

MATERIALS

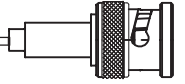
Bodies		Brass
Center contact <i>male</i> <i>female</i>		Brass Bronze or heat treated beryllium following QQ-C-530
Nut		Brass
Insulator		PTFE
Gasket		Silicon rubber

PLATINGS

Bodies		Nickel
Center contacts		Gold

Standard packaging : unit

All dimensions are given in mm.



STRAIGHT PLUGS CLAMP TYPE FOR FLEXIBLE CABLES

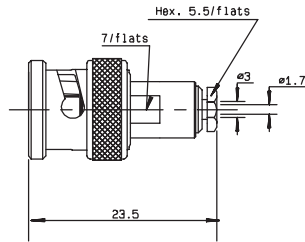
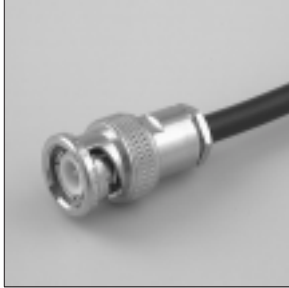


Fig. 1

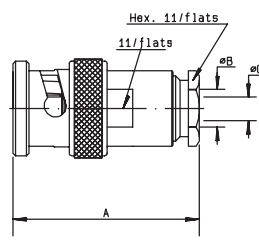


Fig. 2

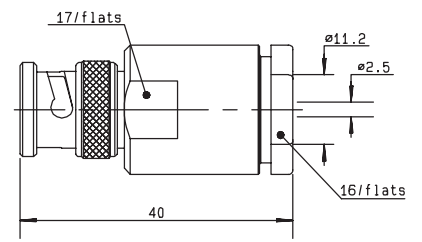


Fig. 3

cable	part number	fig.	dimensions			captive center contact	assembly
			A	B	C		
2.6 /75/ S	R142 004 000	1				yes	M04
6 /75/ S	R142 016 000	2	28	6.6	0.75	yes	M01
8 /75/ S + D	R142 017 000	2	45.5	9.1	1.5	yes	M03
10 + 11 /75 S + D	R142 018 000	3				yes	M01

STRAIGHT PLUGS FULL CRIMP TYPE FOR FLEXIBLE CABLES

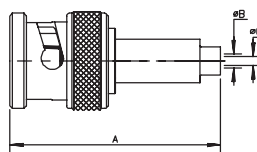


Fig. 1

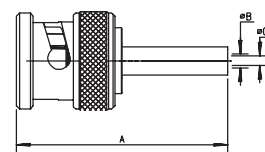


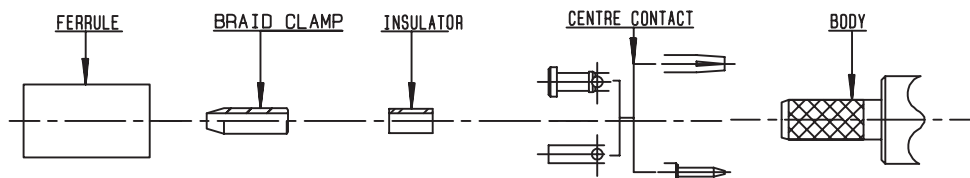
Fig. 2

cable	part number	fig.	dimensions			captive center contact	assembly	note
			A	B	C			
2.6 /75/ S	R142 076 000*	1	31	1.8	0.4	yes	M05	
5 /75/ D	R142 083 000	2	27.3	5.5	0.75	yes	M07	
6 /75/ S	R142 085 000*	2	28	6.6	0.75	yes	M07	single piece body
10 /75/ S	R142 095 000	2	28	11.05	1.35	yes	M07	single piece body

For others types of cables (75Ω, 93Ω or BT cables), please see "additional connectors" on page 36-37.

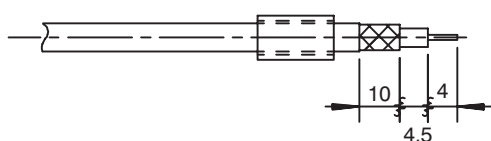
* Packaging = 100 pieces.

M 05



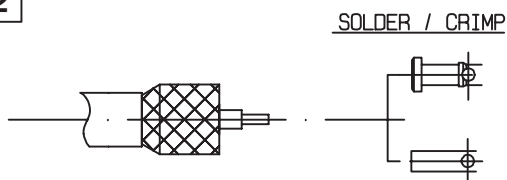
P/N	HEX. DIM.	FERRULE		CENTER CONTACT	
		STANDARD CRIMP- TOOLS DIES INCLUDED	MIL STANDARD R282 293 000 (M22520/5-01)+DIES	STANDARD CRIMP TOOLS DIES INCLUDED	MIL STANDARD R282 293 000 (M22520/5-01)+DIES
R141 075 000 R142 076 000 R141 217 000 R142 217 000 R141 301 000	1,73 - 5,4	R282 223 000	R282 235 011 (M22520/5-11)	R282 223 000	R282 235 011 (M22520/5-11)
R141 306 000 R141 331 400 R141 331 500 R142 331 011	1,73 - 6,48				R282 235 013 (M22520/5-13)

1



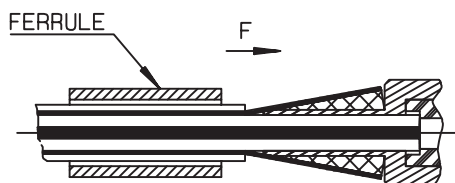
- 1.1 Slide onto the cable the ferrule
- 1.2 Strip the cable .

2



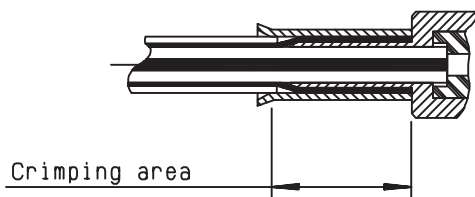
- 2.1 Fan the braid.
- 2.2 Slide the braid clamp and insulator between the dielectric and the braid.
- 2.3 Slide on centre contact until it bottoms against cable dielectrique . Solder or crimp.

3



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

4



- 4.1 Crimp the ferrule.
- 4.2 Cut the excess of braid .