

Excellent QUALITY / price ratio, for video communication, data communication, instrumentation, telecommunication, portable radio systems, security systems, antenna systems, automotive industry and broadcast application... Commercial BNC connectors are intermateable with all 50 and 75Ω BNC connectors.

ELECTRICAL CHARACTERISTICS

Impedance	50 Ω and 75 Ω
Operating frequency	DC to 1.5 GHz
V.S.W.R. typical (1.5 GHz)	
<i>Straight models</i>	∅ 2.6 ∅ 5 ∅ 6 1.21 1.14 1.05
<i>Right angle models</i>	∅ 5 & ∅ 6 1.17
Testing voltage (V.R.M.S)	1500
Operating voltage (V R.M.S)	500
Insulation resistance (MΩ)	5000
Contact resistance (mΩ)	10

ENVIRONMENTAL CHARACTERISTICS

Temperature range	-35°C + 70°C
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MECHANICAL CHARACTERISTICS

Durability	100 mating
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MATERIALS

Male and female bodies	Brass
Coupling nut	Die cast zinc
Outer contact	Brass
Insulators	Polypropylene
Male and female center contacts	Brass

PLATING

Bodies	Nickel
Center contact	Gold

Standard packaging : 100 unit box. Unit packaging : add W after the P/N. Ex. : **R141 007 161W**.

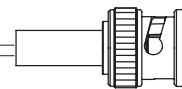
PLUGS, CRIMP & CLAMP TYPE FOR FLEXIBLE CABLES

Straight plug clamp type			Straight plug crimp type				Right angle plug crimp type		
Cable	Part number	Imp.	Cable	Part number	Imp.	dim.A	Cable	Part number	Imp.
5 /50/ S+D	R141 007 161	50	2.6 /50/ S	R141 075 161	50	30	2.6 /50/ S	R141 181 161	50
6 /75/ S	R142 016 161	75	5 /50/ S	R141 082 161	50	28	5 /50/ S	R141 182 161	50
			2.6 /75/ S	R142 076 161	75	31	6 /75/ S	R142 184 161	75
			3.8 /93/ S	R142 078 161	75	30			
			6 /75/ S	R142 085 161	75	28			

JACKS, FULL CRIMP TYPE FOR FLEXIBLE CABLES

Straight jack			Square flange jack			Bulkhead jack		
Cable	Part number	Imp.	Cable	Part number	Imp.	Cable	Part number	Imp.
5 /50/ S	R141 237 161	50	6 /75/ S	R142 295 161	75	5 /50/ S	R141 332 161	50
6 /75/ S	R142 242 161	75				6 /75/ S	R142 334 161	75

All dimensions are given in mm.



RECEPTACLES AND ADAPTERS

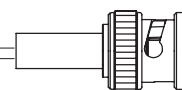
Straight bulkhead female receptacle		Straight insulated bulkhead female receptacle	
Part number	imp.	Part number	imp.
R141 554 161	50	R141 574 161	50
R141 563 161	50		

Straight screw-on female receptacle		Straight female/female bulkhead adapter	
Part number	imp.	Part number	imp.
R141 561 161●	50	R141 720 161 (die cast zinc)	50
		R141 723 161 (insulated)	50
		R142 720 161 (die cast zinc)	75

● Upon request

PCB RECEPTACLES, THROUGH HOLE SOLDER TYPE

Straight female		Right angle female	
Part number	imp.	Part number	imp.
R141 426 161	50	R141 665 161 (die cast zinc)	50
R142 426 261	75		



CABLE STRIPPER



For flexible cable	Part number	Replacement blades
RG58 RG59 RG62	R299 510 000	R299 511 001

CRIMPING TOOL



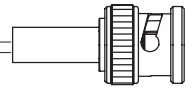
Cable	Part number	Hex. mm (inch)
RG58C/U RG59B/U RG62B/U RG174A/U RG179B/U	R282 223 000	1.73 (.068) 5.41 (.213) 6.48 (.255)

MIL CRIMP TOOL (M22520/5-01) R282 293 000 (DIES NOT INCLUDED)

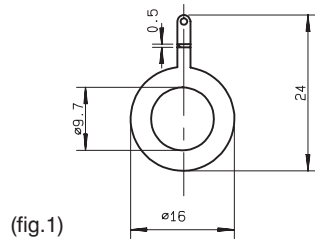


DIES

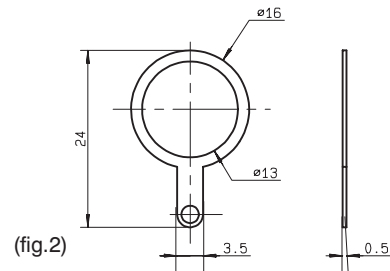
Part number	Cable group		
R282 235 003	2.6 /50/ S	3.25 (.128)	2.67 (.105)
R282 235 011	5 /50/ S - 5 /50/ D	5.41 (.213)	1.73 (.068)
R282 235 013	6 /75/ S	6.48 (.255)	1.73 (.068)



SOLDER TAG



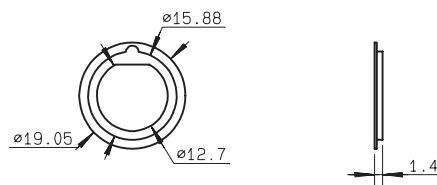
(fig.1)



(fig.2)

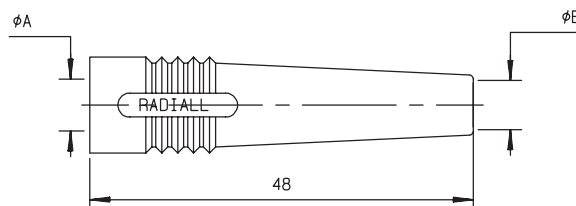
Part number	to be used on	Finish	Packaging
R280 490 020 (fig.1)	R141 563 161	Nickel	100 units
R280 490 030 (fig.2)	R141 332 161 R142 334 161		

INSULATING WASHERS



Part number	to be used on	material	Packaging
R280 907 000	R141 332 161 R142 334 161	Nylon	100 sets (200 washers)

BOOTS (PVC)



Cables	Part number (1 boot)	Color	dimensions		Packaging
			A	B	
RG179B/U RG187B/U	R280 566 000	Black	5.5	2.6	10
RG58C/U	R280 570 000	Black	5.5	5.1	100
	R280 571 000	Red			10
	R280 572 000	Green			10
	R280 573 000	Blue			10
	R280 574 000	Yellow			10
RG59B/U RG62B/U	R280 590 000	Black	6.5	6	100
	R280 591 000	Red			10
	R280 592 000	Green			10
	R280 593 000	Blue			10
	R280 594 000	Yellow			10

Mouser Electronics

Authorized Distributor

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[R141563161W](#)