



MATERIAL : COPPER ALLOY (C97) HARDNESS IN KNOOP 120 MAX (107 HV) FOR CRIMP BARREL

FINISH : GOLD PER MIL-G-45204 TYPE I OR II GRADE C OR D CLASS 1 50 MICROINCHES OVER NICKEL PLATE PER QQ-N-290

WIRES ACCOMODATED : AWG 20-22-24  
INSULATOR DIAMETER : 2.60 MAX (0.103)  
STRIP LENGHT : 6 (0.236)

CRIMP CONTACT TENSILE REQUIREMENTS USING MIL SPEC TOOLING AND WIRE SPEC

- MIL-W-81381/12 20 GA. 9daN (20 LBS)
- MIL-W-22759/41 20 GA. 9daN (20 LBS)
- M22520/1-01 20 GA. 9daN (20 LBS)

CRIMPED CONTACTS WILL SHOW NO CRACK WHEN INSPECTED PER MIL-C-22520 AT 10X

RADIALL TOOLING RECOMMENDATION

CRIMPING TOOL : M22520/1-01 (RADIALL 282 291)

SELECTOR POSITION : 5 FOR AWG 20  
5 FOR AWG 22  
4 FOR AWG 24

POSITIONNER : M22520/1-02 (RADIALL 282 972)

INSERTION/EXTRACTION TOOL : M81969/14-03 (RADIALL P/N : 282 515)

Electrical characteristics:

Max current Amps : 7.5A for AWG20 wire  
5A for AWG22 wire  
3A for AWG24 wire

Note: When smaller wire sizes are used on contacts with reduced crimp barrel, the wire won't provide sealing to the grommet. If sealing is required, please contact Radiall.

DIMENSIONS : mm (inch are given for information only) 

Estimated weight : 0.60 g

<b>CREATION</b>	Oct 19, 11	Modification of cable diameter max; add max current	Lebocq	Legrain
	Jan 25, 08	Redrawn and dimensions modified and ins/ext tool updated	Pailot N	Pessard M.
	Jun 27, 01	2 potential locations added	Chevreau G	Motteau G
	Apr 16, 98	Red color band added (drawing mistake) updated from the detail drawing	Arnaulf F	Verneau
<b>PEN:</b>	Apr 27, 98	Material changed	Arnaulf F	Glet L
	Apr 20, 98	Ø0.109/0.107 was Ø0.109/0.106	Valgresy B	Glet L
	Issue	Revisions	Name	Approved
<b>NOM:</b> VALGRESY				
<b>DATE:</b> 03 Apr 98				
<b>APPR.:</b>				

617241EN

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