

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	ECN-25-358921;GTP	12DEC2025	TP	WILL

NOTES:

ALL DIMENSIONS ARE NOMINAL FOR REFERENCE ONLY UNLESS OTHERWISE STATED.

RoHS: COMPLIANT.

SPECIFICATIONS:

IMPEDANCE: 50Ω

FREQUENCY: DC TO 6GHz

VSWR/RL: 1.065 MAX. / 30 dB MIN.

INSERTION LOSS: 0.2 dB MAX.

CONTACT RESISTANCE:

CENTER: 6.0 MΩ MAX.

OUTER: 3.0 MΩ MAX.

VOLTAGE RATING: 170 VRMS MAX

DIELECTRIC WITHSTANDING VOLTAGE: 500V MAX

INSULATION RESISTANCE: 5000MΩ

MECHANICAL CHARACTERISTICS

DURABILITY: 500 CYCLES.

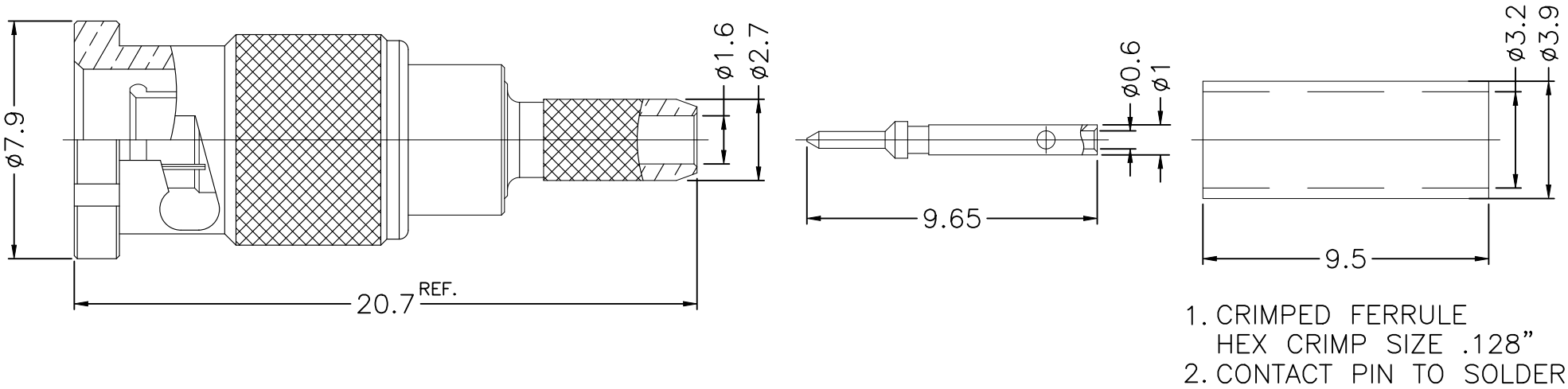
ENGAGEMENT AND DISENGAGEMENT FORCE:

ENGAGEMENT: 20 N MAX.

DISENGAGEMENT: 5 N MIN.

ENVIRONMENTAL PARAMETER

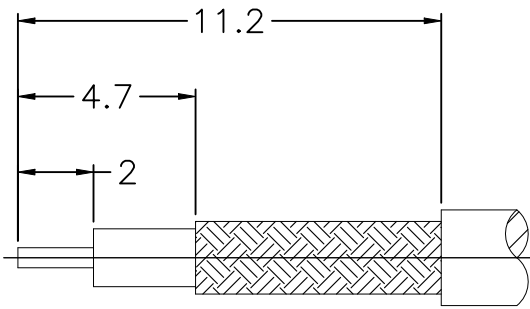
TEMPERATURE RANGE: -65°C TO +165°C



NOTES:

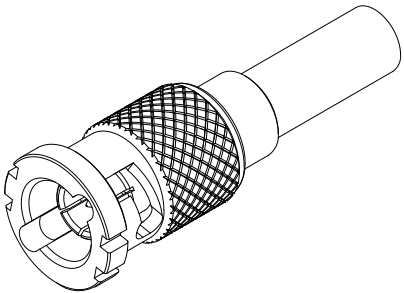
FINISH (PLATING THICKNESS IN MICRO-INCHES)

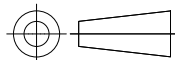
- 1 100 MICROINCHES MIN NICKEL PLATED.
50 MICROINCHES MIN OVER COPPER UNDERPLATED
- 2 3 MICROINCHES MIN GOLD PLATED,
100 MICROINCHES MIN OVER NI-P (WT%10) NICKEL UNDERPLATED.



RECOMMENDED
CABLE STRIPPING DIM'S
(FOR RG-316/U CABLE)

	1	NOTE 1	BRASS	FERRULE	10
	1	NOTE 2	PHOSPHOR BRONZE	CONTACT PIN	9
	1	NOTE 1	BRASS	SHELL	8
	1	NOTE 1	BRASS	WASHER	7
	1	NATURAL	SWP 80	SPRING	6
	1	NOTE 1	BRASS	RETAINER RING	5
	1	BLACK	SILICONE RUBBER	GASKET	4
	1	NOTE 1	BRASS	BARREL	3
	1	NATURAL	PTFE	INSULATOR	2
	1	NOTE 1	BERYLLIUM COPPER	BODY	1
	2510975-1	FINISH/PLATING	MATERIAL	DESCRIPTION	ITEM
QUANTITY PER ASSY			PARTS LIST		



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TP 07AUG2025		TE Connectivity						
		CHK TP 07AUG2025								
		APVD WILL 07AUG2025								
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME High Density BNC Plug St Crimp RG316 50 ohm						
		0 PLC ± 0.3		—		—				
		1 PLC ± 0.2								
		2 PLC ± 0.1								
		3 PLC ± 0.05								
		4 PLC ± —								
ANGLES ± 1		PRODUCT SPEC —		SIZE		CAGE CODE	DRAWING NO	RESTRICTED TO		
MATERIAL		FINISH		—		A300779		C-2510975	—	
SEE TABLE		—		WEIGHT 2.8 G						
CUSTOMER DRAWING						SCALE 1:1		SHEET 1 of 1		REV A