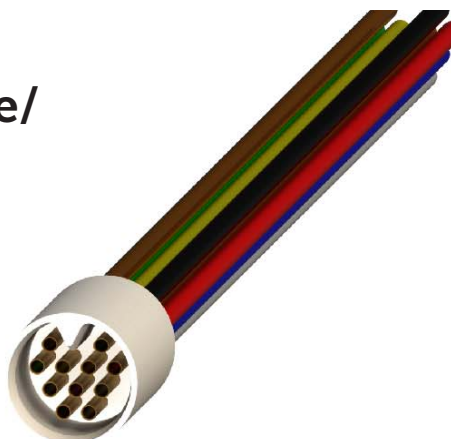


# NANO 360<sup>®</sup> Plastic

## Nano Circular Discrete Leadwire/ Cable (Type WD/WC)



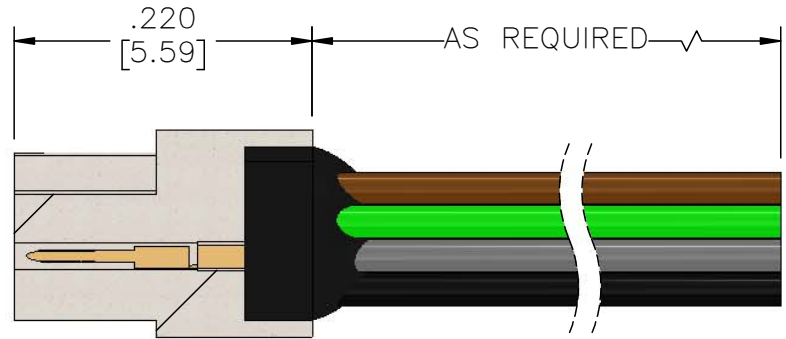
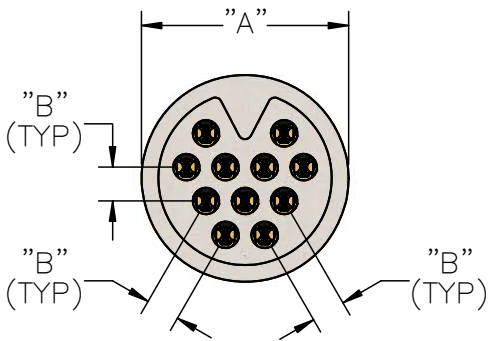
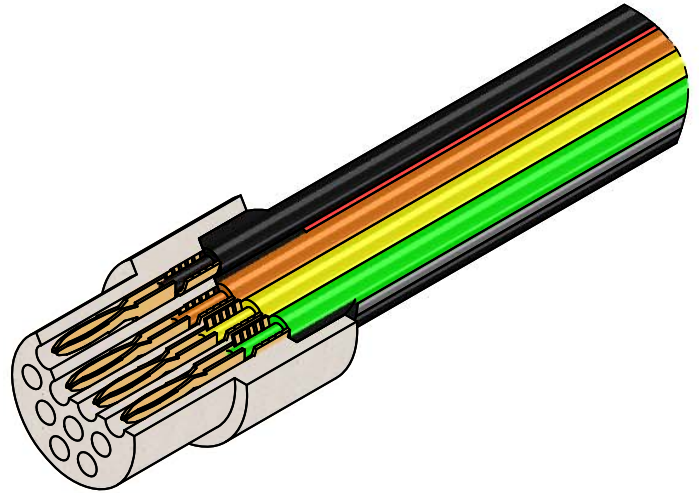
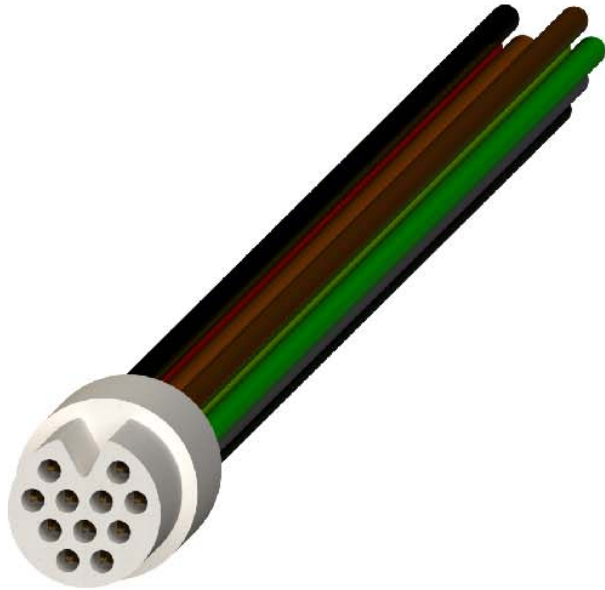
### Electrical-Mechanical Specifications

- Operating Temperature: \_\_\_\_\_ -55°C to 125°C
- Dielectric Withstand Voltage: \_\_\_\_\_ 250 VAC RMS @sea level
- Contact Resistance: \_\_\_\_\_ 71 milliohms(71 mV) Max @1 Amps
- Current Rating: \_\_\_\_\_ 1 Amps per contact
- Durability: \_\_\_\_\_ >2000 Mating Cycles min
- Insulation Resistance: \_\_\_\_\_ 5000 megohms @ 100 VDC
- Shock: \_\_\_\_\_ 100 g's with no discontinuities > 10 nanosecond
- Vibration: \_\_\_\_\_ 20 g's with no discontinuities > 10 nanosecond
- Thermal Vacuum Outgassing (Space Class): \_\_\_\_\_ 1.0% max TML, 0.03% max CVCM
- Mating/Unmating Force: \_\_\_\_\_ 2.5 oz (71 g) typical per contact

### Material Specifications

- Contact: \_\_\_\_\_ Copper Alloy per MIL-DTL-32139
- Contact Finish: \_\_\_\_\_ Gold per ASTM B488, Type II, Class 1.27, Code C  
Over Nickel Underplate
- Insulator: \_\_\_\_\_ Thermoplastic per MIL-M-24519
- Wire: \_\_\_\_\_ 32 AWG (7-40) PTFE, color coded

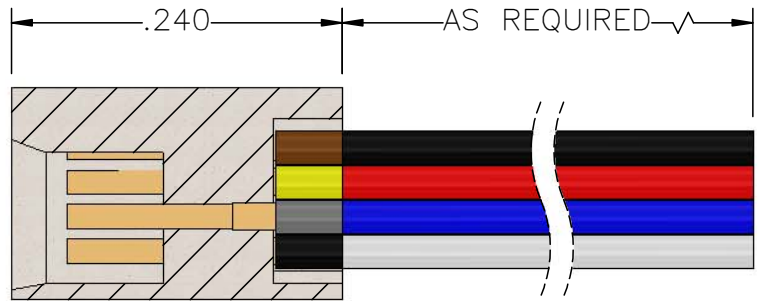
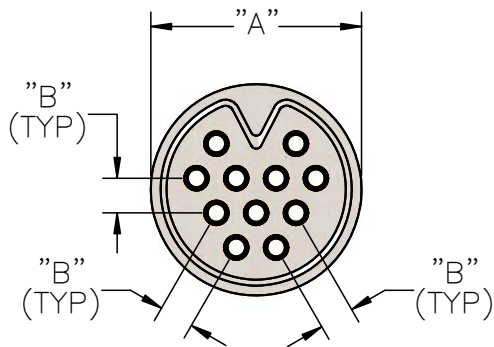
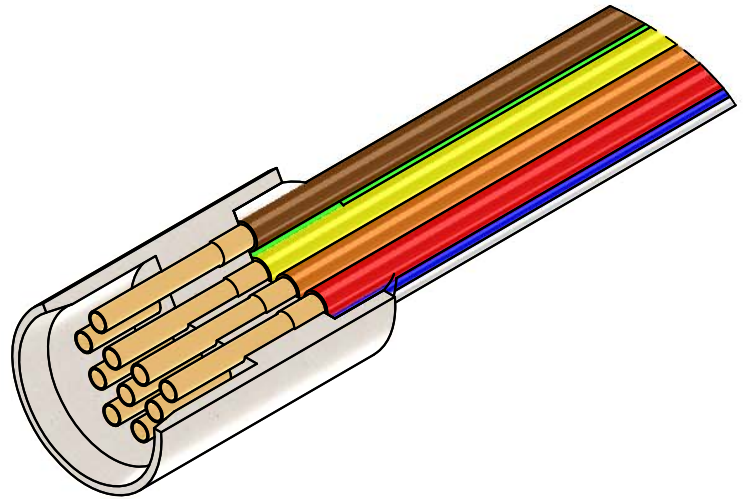
# Plastic - Pin - Wired NCP-WD



Part #	Contacts	English (IN)		Metric (MM)	
		A	B	A	B
A79100-001	6	0.122	0.025	3.10	0.64
A79102-001	11	0.153		3.89	
A79104-001	16	0.181		4.60	
A79106-001	28	0.217		5.51	
A79120-001	39	0.305	0.035	7.75	0.89

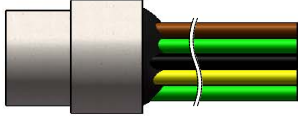



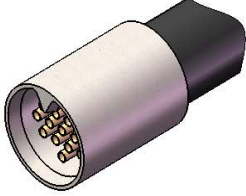



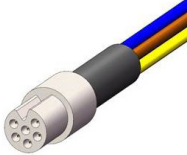
# Plastic - Socket - Wired

## NCS-WD



Part #	Contacts	English (IN)		Metric (MM)	
		A	B	A	B
A79101-001	6	0.122	0.025	3.10	0.64
A79103-001	11	0.153		3.89	
A79105-001	16	0.181		4.60	
A79107-001	28	0.217		5.51	
A79121-001	39	0.305	0.035	7.75	0.89

# NANO CIRCULAR DISCRETE LEADWIRE/CABLE (TYPE WD/WC)

Series	# of Contacts	Termination Type	Options
<b>NC</b>	<b>6</b>	<b>WD: Discrete Lead Wire</b>	<b>C</b> Color Coded
	<b>11</b>		<i>Non-Standard Option</i>
<b>Male (P - Pin)</b>	<b>16</b>		
	<b>28</b>		<b>OM</b> Overmold (Contact Omnetics for Overmold Information & Availability)
	<b>39</b>		<b>CLIP</b> Locking Clip
<b>Female (S - Socket)</b>		<b>WC: Cable</b>	
			
		Wire/Cable Length: 18.0=18.0" Standard Option "XX.X" = Custom Length i.e. 23.4" 32 AWG Max	<b>RH</b> RoHS COMPLIANT
			
			<b>ST: Inline Shell w/ Shrink Tube</b>
			

**EXAMPLE:**  
NCP-16-WD-12.0-C

