

AHDP | Series™



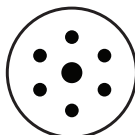
Dura | Mate™ Circular Plastic Connectors for Heavy Duty Applications

Available in Size 24
7, 19, 23, 29 and 31 Insert Arrangements

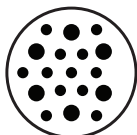


- Polarized for proper mating of connector halves
- High density signal and mixed power insert configurations
- Operating temperature range: -55C to +125C
- High current configurations incorporating revolutionary RADSOK® contacts
- High strength impact resistant & lightweight thermoplastic housings
- Low insertion force stamped terminals offer improved manufacturing efficiencies
- Standard WTA(Wide Thread Adapter) provides maximum access to rear grommet and improved serviceability.
- Engineered rapid and secure mating system achieves IP67 protection from ingress of dust, water mud and other contaminants
- Redundant sealing features consisting of durable high temperature silicone provide barrier from lubricating oils, hydraulic fluids and fossil fuels
- Rigid back shells maintain a compression-fit design to resist maximum pull-out forces and facilitate strain-relief for jacketed cable ranges.
- Utilizes industry standard contact system
- Environmentally-sealed to IP67 and vibration resistant
- Wire entry sealing available in three separate ranges for discrete wire applications:

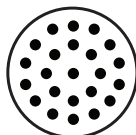
Contact Size	Recommended Wire Insulation Overall Diameter (OD)		
	Normal Seal	Thin Seal	Reduced Seal
20	N/A	N/A	1.02mm (.040") - 2.41mm (.095")
16	2.54mm (.100") - 3.40 mm (.134")	2.23mm (.088") - 3.40mm (.134")	1.35mm (.053") - 3.05mm (.120")
12	3.43mm (.135") - 4.32mm (.170")	N/A	2.46mm (.097") - 4.01mm (.158")
8	4.83mm (.190") - 6.10mm (.240")	N/A	N/A



24-7
6 Size 12
1 Size 8
Normal



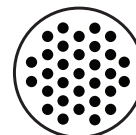
24-19
6 Size 12
13 Size 16
**Normal/
Reduced**



24-23
23 Size 16
**Normal/
Reduced**



24-29
4 Size 12
19 Size 16
**Normal/
Thin/
Reduced**



24-31
31 Size 16
**Thin/
Reduced**

- Wide threaded collar ring for increased serviceability and connector access (1)
- Highly visible indicators for quick alignment and 100% positive mating (2)
- Enclosed 1-piece threaded backshell with low-cost strain relief (3)
- Optional 2-piece threaded backshell with compression nut (4)
- Contact removal tools (5)
- **RADSOK®** contacts (6)
- Panel Nut, Size 24 (7)



Material & Performance Specifications

Current Rating per Contact	Size 8, 80A; Size 12, 25A; Size 16, 13A; Size 20, 7.5A	Coupling Nut	Thermoplastic
Operating Temperature	-55°C to +125°C	Insulation Insert	Thermoplastic
Dielectric Withstanding Voltage	Current Leakage - 12 milliamp at 1500 VAC	Seal	Silicone Rubber
Degree of Protection	IP67	Color	Black
Mating Cycle Durability	100 Cycles	Contact	Common System
RoHS	Compliant		

For more information, contact:

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