

200° MiniSeal High-Performance, Immersion-Resistant Crimp Splices

Product Facts

- Immersion-resistant crimp splices while meeting all requirements of SAE-AS-81824/1 (modified for 200°C applications)
- Small size
- Light weight
- Transparent heat-shrinkable insulation sleeve provides environmental protection and strain relief
- Splices provide sealing to unetched wire insulations
- No need to staffer wire splices



In-line nickel plated sealed crimp splices for 200°C applications were developed for the growing needs of high temperature applications in the aerospace and defense industry.

200°C MiniSeal crimp splices provides the smallest, lightest, and the most environmental-resistant splices available, while meeting all requirements of SAE-AS81824/1 (modified for 200°C applications).

Applications

MiniSeal wire-to-wire splicing products are ideal for aerospace and defense applications where performance, reliability or size reduction is essential.

Designed to provide an immersion resistant in-line splice on 1:1 wires for the following: wire range from 26 AWG to 12 AWG; nickel-plated conductors and insulation rated for at least 135°C.

Available in:

- Americas ■
- Europe ■
- Asia Pacific ■

200° MiniSeal High-Performance, Immersion-Resistant Crimp Splices (Continued)

Product Characteristics

Material	
Insulation	Heat-shrinkable, transparent blue, radiation cross-linked modified fluoropolymer
Crimp splicer	Base Metal: Copper alloy 101 or 102 per ASTM B75 Plating: Nickel per SAE AMS-QQ-N-290 Color Code: see table below
Melttable rings	Environment resistant modified thermoplastic fluoroelastomer Color: Light blue
Typical Performance	
Voltage drop	6.9 mV at 4.5 A vs 8.1 mV for an equal length of wire
Tensile strength	Exceeds strength of conductor
Dielectric strength	2.5 kV
Temperature rating	-55°C to 200°C [-67°F to 392°F]
Insulation resistance	5000 megohms

Specifications/Approvals

Series	Military
D-200	Meets the requirements of SAE-AS-81824

Part Numbers

Part No.	Color Code	Part Number
D-200-82	Red	D17660-000
D-200-83	Blue	A36675-000
D-200-84	Yellow	C60253-000

Product Dimensions

Product Name	Product Rev.	I.D.* a. min b. max	Crimp Splicer					Color Code
			øA	øB	C	D	E max.	
D-200-82	A	2.16 (0.085)	1.27 (0.050)	2.03 (0.080)	12.95 (0.510)	6.22 (0.245)	0.38 (0.015)	Red
		0.64 (0.025)	1.14 (0.045)	1.91 (0.075)	12.45 (0.490)	5.72 (0.225)		
D-200-83	A	2.79 (0.110)	1.75 (0.069)	2.70 (0.106)	14.86 (0.585)	7.11 (0.280)	0.51 (0.020)	Blue
		0.64 (0.025)	1.63 (0.064)	2.57 (0.101)	14.35 (0.565)	6.60 (0.260)		
D-200-84	A	4.32 (0.170)	2.60 (0.102)	3.89 (0.153)	14.86 (0.585)	7.11 (0.280)	1.27 (0.050)	Yellow
		0.64 (0.025)	2.46 (0.097)	3.73 (0.147)	14.35 (0.565)	6.60 (0.260)		

*I.D.: a- As received; b- After unrestricted recovery thru melttable insert.

Product Name	MIL Spec Equivalent Size	Wire Range	Wgt. Lbs/Mpc max.
D-200-82	M81824/1-1	26-20	1.02
D-200-83	M81824/1-2	20-16	1.61
D-200-84	M81824/1-3	16-12	2.72