



RAYCHEM

D-200 FLEXIBLE SPLICE KIT

ENVIRONMENTALLY RESISTANT, HIGH-TEMPERATURE SPLICES
WITH EMI PROTECTION AND FLEXIBILITY



DURABLE SPLICING

- Resistant to most common aerospace fluids
- Flexible splice for long-term performance
- Immersion resistant, sealed cable splice with 360° shielding

HIGH PERFORMANCE

- Rated for 200°C continuous operating temperature
- Resists vibration and mechanical shock without loss of signal
- Splice allows bending without insulation cracking

VERSATILE

- Cables can be spliced with existing heating and crimping tools
- Additional sealing rings allow splicing 1 to 1, 2 to 1, and 2 to 2 constructions
- Works with shielded single, paired, and triple cables
- 26 AWG to 10 AWG wire range

In-Line Splicing for Harsh Aerospace and Defense Applications

An important extension of the Raychem family of termination devices, the D-200 splice kit is specially designed for use in demanding high temperature aerospace and defense applications.

Fast Installation and Lower Costs

Make in-line splices fast and easy with the D-200 flexible splice kit. Whether splicing shielded single, twisted pair, or trio cables, the D-200 splice kit creates a permanent, flexible, immersion-resistant splice for long-term reliable performance in the harshest environments. Easy installation with existing crimp and heating tools results in a lower total installed cost.

TE Components . . . TE Technology . . . TE Know-how . . .

Get your product to market faster with a smarter, better solution.

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D-200 FLEXIBLE SPLICE KIT

Reliable Cable Splicing and Sealing for Harsh Environments



D-200-0232-RT



D-200-0233-RT



D-200-0237-RT

STANDARDS AND TEST REPORT

- SAE AMS-DTL-23053/13 (applies to insulation sleeve only)
- SAE AS81824/11
- TE Performance Specification: D-6203
- TE Qualification Test Report: ISTR-1404

MATERIALS

- Cable Sealing Sleeve
- Insulation Sleeve: Heat-shrinkable fluoropolymer, black
- Meltable Inserts: Environment-resistant thermoplastic fluoroelastomer, light blue
- Solder Sleeve Device
- Insulation Sleeve: Heat-shrinkable fluoropolymer, transparent blue
- Solder Preform with Flux : 96% tin per ANSI/J-STD-006. ROM1 per ANSI/J-STD-004
- Meltable Insert: Thermoplastic, blue
- Crimp Splice: Nickel-plated copper alloy
- Sealing Splice Sleeve: Heat-shrinkable fluoropolymer, containing two environment-resistant sealing rings, transparent blue
- Meltable Insert: Environment-resistant thermoplastic fluoroelastomer, light blue

PHYSICAL PROPERTIES

- Tensile Strength: 75% min. of an un-spliced cable
- Vibration and Mechanical Shock : Resistant without loss of signal
- Temperature Range : -55°C to 200°C

CHEMICAL PROPERTIES

- Immersion Resistance: Resists most common aerospace fluids (e.g., fuels, oils, MPK, etc.)
- Immersion Resistance Altitude : 75,000 feet

ELECTRICAL PROPERTIES

- Voltage Drop: Voltage drop across spliced conductors and shield do not exceed equivalent length of unspliced cable
- Dielectric Strength: 2500 V
- Insulation Resistance : 100 V

TOOLING

- Steinel HL2010E heat gun
- TE IR-550 infrared tool
- TE AD-1377 crimp tool
- TE 46447 crimp tool

Number of Conductors	Wire Range (AWG)	Color Code	Part Description	Part Number
1	26 – 20	Red	D-200-0228-RT	CV7712-000
	20 – 16	Blue	D-200-0230-RT	EG4031-000
	16 – 12	Yellow	D-200-0232-RT	EG4032-000
	12 – 10	None	D-200-0242-RT	EG3869-000
2	26 – 20	Red	D-200-0233-RT	EG3678-000
	20 – 16	Blue	D-200-0234-RT	CU1642-000
	16 – 12	Yellow	D-200-0235-RT	EG3865-000
	12 – 10	None	D-200-0249-RT	CW7956-000
3	20 – 16	Blue	D-200-0237-RT	EG3867-000
	16 – 12	Yellow	D-200-0238-RT	EG3868-000
	12 – 10	None	D-200-0243-RT	CW7949-000

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