

Data Bus (MIL-STD-1553) Components

In-line microcouplers

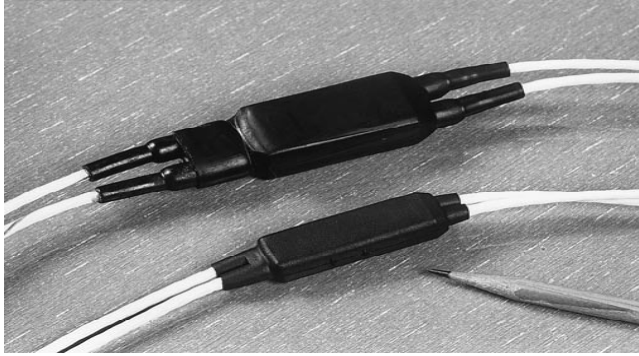
Fax-on-Demand: (800) 260-9099
(650) 361-6523

FAX ID **Description**

8070 Microcoupler
bulletin

**Before ordering check with
factory for most current data.**

8080 System bulletin



Applications

The low-profile configuration of these couplers enables avionics system designers to plan for optimum coupler locations. Microcouplers are supplied with Raychem SPEC 55 data bus cables, including EMP-hardened versions. They are also available assembled with other components into a complete data bus harness.

Features/Benefits

- Environmental sealing.
- No connectors.
- Very small size.
- Light weight (1 stub: 10 g max.; 2 stubs: 15 g max.).
- In-line profile that makes wire bundle mounting possible.
- 360° continuous low-impedance cable-shield terminations.
- Reliable solder termination of all components.
- Potted circuit elements for maximum durability and in-use reliability.
- Ease of installation.
- Altitude immersion resistance.
- Optional eyelet configurations for bulkhead mounting.
- Mean time between failures > 1,000,000 hours.

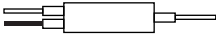
Specifications/Approvals


Series	Military	Raychem
D-500-04	MIL-STD-1553B	D-6020

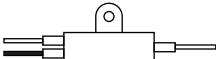
Product Selection

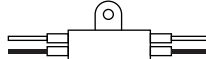
Single Stub

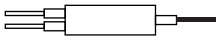
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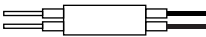
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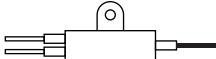
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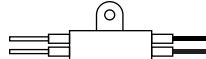
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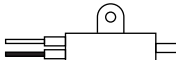
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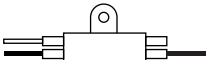
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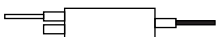
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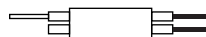
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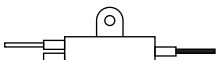
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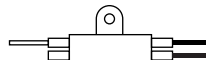
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

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D-500-0458-2-61Y-ZZZ 

D-500-0468-1-61Y-ZZZ 

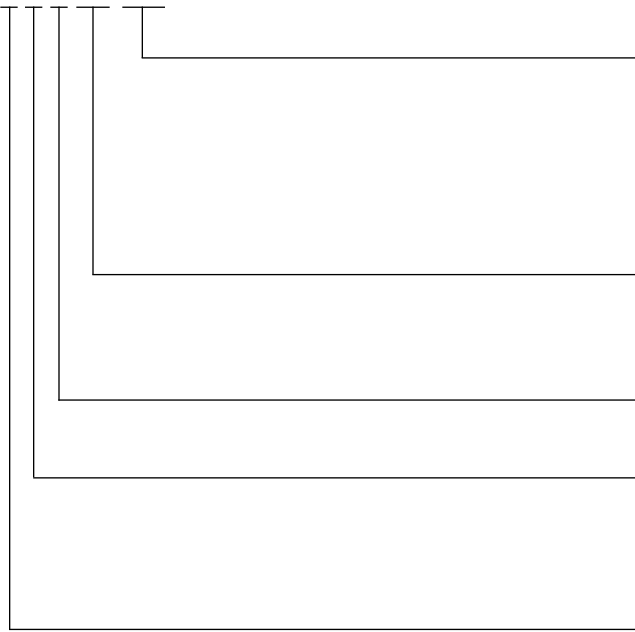
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Note:

- 1. Bus cable 
- 2. Stub cable 

Microcoupler Part Numbering System

D-500-04W W-X-61Y-ZZZ



Cable Length

- 012 = 12 in (1 ft)
- 078 = 78 in (6.5 ft)
- 079 = 79 in (2 m)
- 120 = 120 in (10 ft)
- 236 = 236 in (6 m)
- 240 = 240 in (20 ft)
- 360 = 360 in (30 ft)

Cable Type

- 612 = 10612
- 613 = 10613
- 614 = 10614

Number of Stubs

- 1 or 2

Design

- 5 = Without internal terminator
- 6 = Same as 5 but with reverse bus
- 7 = With internal terminator
- 8 = Same as 7 but with reverse bus

Boot

- 5 = Without eyelet
- 6 = With eyelet

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Users should independently evaluate the suitability of the product for their application.