

# Raychem

- Complete line of space-qualified MIL-STD-1553B components
- Low outgassing levels that meet NASA requirements
- Light weight
- Rugged construction

## MIL-STD-1553B

### Space-Grade Data Bus Components

Raychem's full line of data bus products has now been expanded to include space-grade couplers, terminators (in-line and demateable), triaxial connectors, and SolderShield splices. These space-grade components meet the low outgassing requirements of NASA specification SP-R-0022A and can be used in outer-space applications.

Raychem space-grade components are designed in a variety of configurations and are currently available either as discrete items or as Raychem-

assembled harnesses. Using factory-built harnesses eliminates unnecessary splices and connectors, reducing the cost and increasing the reliability of the networks.

Specification control drawings describe the design features and performance characteristics of Raychem space-grade couplers, terminators, connectors, and splices. The space-grade data bus couplers, terminators, and connectors have tin/nickel-plated metallic parts and baked silicone rubber components. For

strain relief they include Raychem's RT-218 low-outgassing tubing. Unlike parts intended for aircraft applications, these components do not have polymeric environmental covers.

The table on the reverse lists Raychem standard space-grade data bus components with their part numbers and descriptions. New components will become available per customer request.

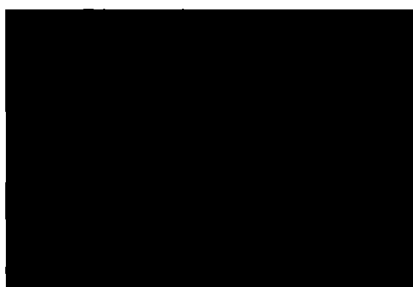


Figure 1. In-line couplers and terminators



Figure 2. Threaded triaxial connectors



Figure 3. Bayonet triaxial connectors



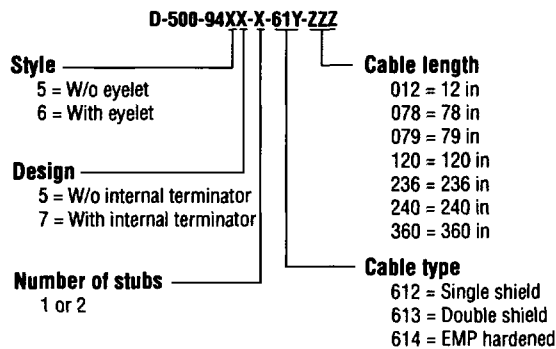
Figure 4. Splice kit

## Raychem Space-Grade Data Bus Components

Component Type	Figure	Part No.	Description
In-line coupler	1	D-500-946X-1-61Y-ZZZ	Single-stub, eyeletted coupler family (see Part Numbering System below)
		D-500-946X-2-61Y-ZZZ	Double-stub, eyeletted coupler family (see Part Numbering System below)
		D-500-945X-1-61Y-ZZZ	Single-stub coupler family (see Part Numbering System below)
		D-500-945X-2-61Y-ZZZ	Double-stub coupler family (see Part Numbering System below)
In-line terminator	1	D-500-9463-612	78-ohm in-line terminator with single-shield cable
		D-500-9463-613	78-ohm in-line terminator with double-shield cable
		D-500-9463-614	78-ohm in-line terminator with EMP-hardened cable
Threaded connectors	2	DK-621-0911-S	Plug with socket contacts
		DK-621-0911-P	Plug with pin contacts
		DK-621-0912-S	Jack with socket contacts
		DK-621-0912-P	Jack with pin contacts
Bayonet connectors	3	DK-621-0933-1S	Plug with socket contacts—"A" polarization
		DK-621-0933-1P	Plug with pin contacts—"A" polarization
		DK-621-0934-1S	Jack with socket contacts—"A" polarization
		DK-621-0934-1P	Jack with pin contacts—"A" polarization
		DK-621-0935-2S	Plug with socket contacts—"B" polarization
		DK-621-0935-2P	Plug with pin contacts—"B" polarization
		DK-621-0936-2S	Jack with socket contacts—"B" polarization
		DK-621-0936-2P	Jack with pin contacts—"B" polarization
		DK-621-0937-3S	Plug with socket contacts—"C" polarization
		DK-621-0937-3P	Plug with pin contacts—"C" polarization
		DK-621-0938-3S	Jack with socket contacts—"C" polarization
		DK-621-0938-3P	Jack with pin contacts—"C" polarization
		DK-621-0939-4S	Plug with socket contacts—"D" polarization
		DK-621-0939-4P	Plug with pin contacts—"D" polarization
		DK-621-0940-4S	Jack with socket contacts—"D" polarization
		DK-621-0940-4P	Jack with pin contacts—"D" polarization
Splice kit	4	D-150-9708-5	Splice kit

**Note:** For component SCDs, including performance characteristics and specifications, please contact Raychem.

## Part Numbering System (for In-Line Couplers)



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