

FAM Science

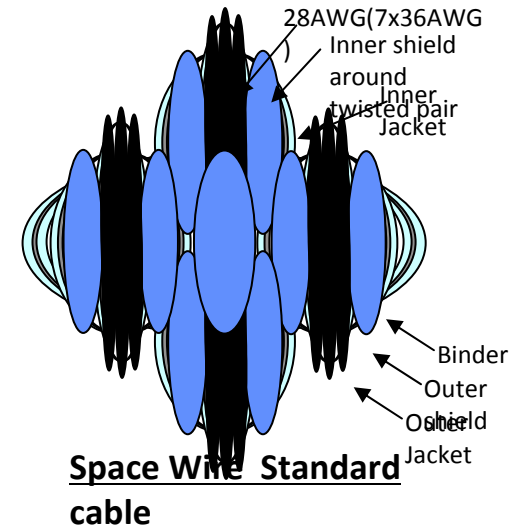
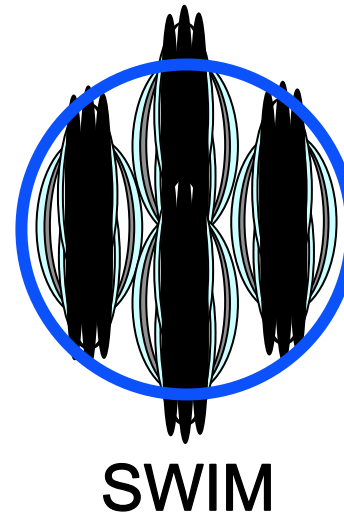
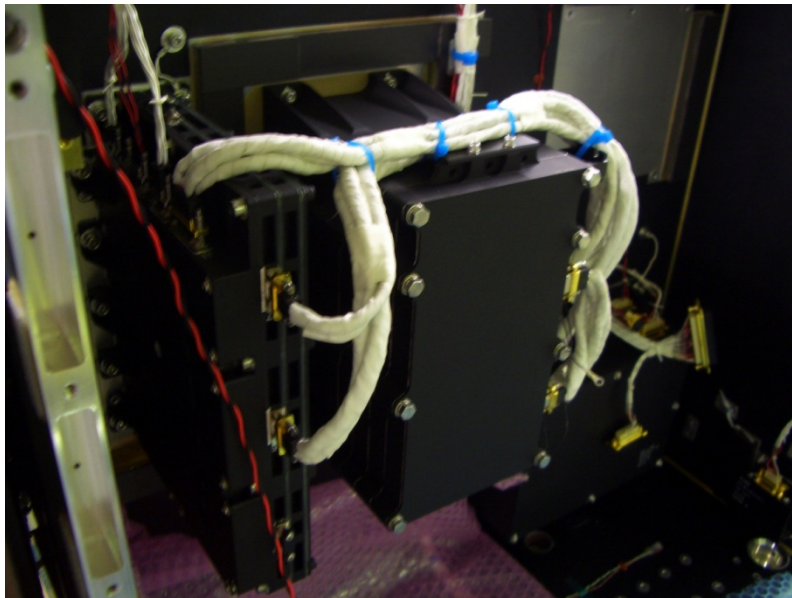


SpaceWire modification request

SpaceWire User's Group, Japan

□ 5.2.2.1 Conductor/Cable

- Thick signal wire such as 24 AWG is required for launch vehicle application.
- Thin signal wire is required.



□ 8.12.2 m.

- The statement “After reset or disconnect-reconnect (state machine in ErrorReset state) the time-counter shall be set to zero and any control-flag outputs shall be set to zero.” would not be suitable for router use.
- Since a router accommodates several SpaceWire link, the internal counter, which is described as “the router’s time- counter” in term k and l, should not be reset. In other words, one reset operation on a link should not have influence on other links.
- Modification proposal for 8.12.2 m;
This specification would be applied for time master node only.
This specification would be applied for end nodes (reserved counters in receivers), excluding non-time master routers.



□ FCT transmission

- Many people experience the state in which FCT transmission vanishes when some error occurs.
- Can we introduce the mechanism to figure out such status?