

SATELLITE OEM

BRAIDED TETHER

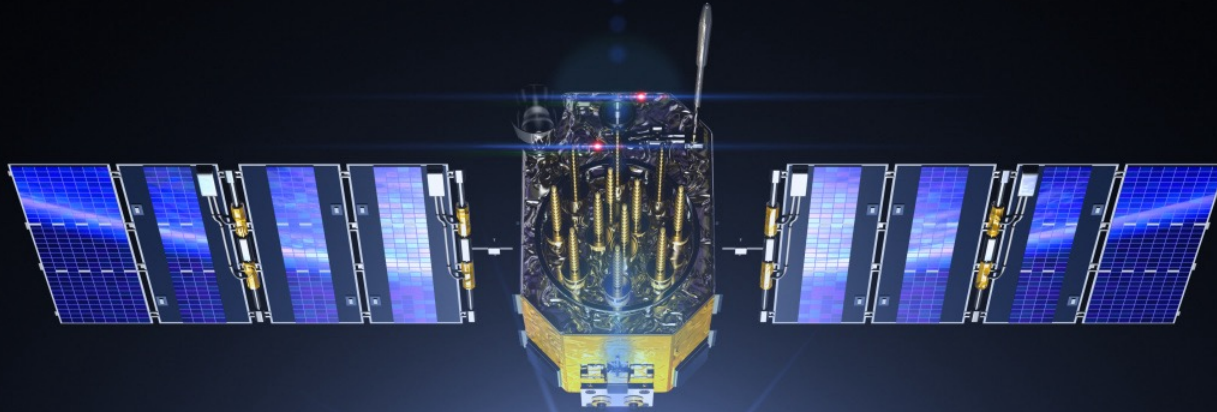
AVIENT SOLUTION

Fiber-Line™ Vectran HT Braid

WHY AVIENT?

- Met critical government environmental regulations
- Leveraged key existing vendor relationships to supply the only material able to meet all requirements
- Mass-produced braids in parallel that attach to meet the length target
- Ensured simple qualification process to increase speed to market

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KEY REQUIREMENTS

- Needs a small diameter strength member with specific tensile and geometric requirements that current product was not achieving
- Requires a solution that is also black and UV resistant, as existing aramid yarns are not available in color (coating is not acceptable for the application due to off-gassing complications)
- Withstands extreme, prolonged thermal cycling
- Acts as a critical component for safe re-entry into earth's atmosphere at the end of the satellite's life cycle.