

SOLUTION TIMES

800 km Away!

Capturing Precision Detail

Thousands of satellites capture images and map untouched polar regions and distant forests and jungles in vivid detail.

This incredible feat is accomplished using Synthetic Aperture Radar. Supporting the mission are SiO₂ semi-rigid cable assemblies. To gather precise radar detail down to 3 cm from an altitude of 800 km — satellites require a rugged, phase stable RF cable assembly.



SiO₂ cables enable the high power, phase stability, accuracy and low loss required to maintain high power signals through the rigors of spaceflight. From the high-temperature launch to the cryogenic frost of space, satellite equipment must be able to withstand this harsh environment indefinitely. All connectors for SiO₂ cable assemblies incorporate a fired glass hermetic seal to help defend against the elements of space.

358 Hall Avenue
Wallingford, CT 06492
T | 203.949.8400

www.timesmicrowave.com

Do you need help with **unique**
and challenging applications?

TALK TO US TODAY!