



GORE® Space Cables and Assemblies

ESCC-Qualified Products

Creating Value for Space

Gore is a leader in providing reliable electrical component solutions to the aerospace market for more than 40 years. Gore has been at the forefront of our customers innovations. When Apollo 11 headed for the moon in 1969 GORE® Cable Assemblies provided reliable service on the Lunar Lander.

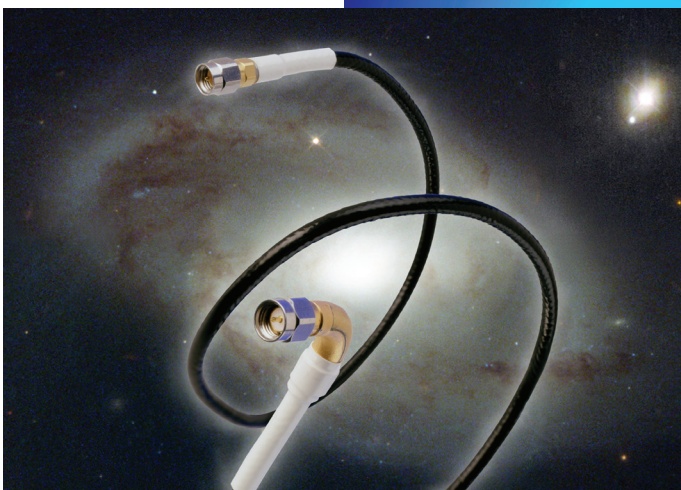
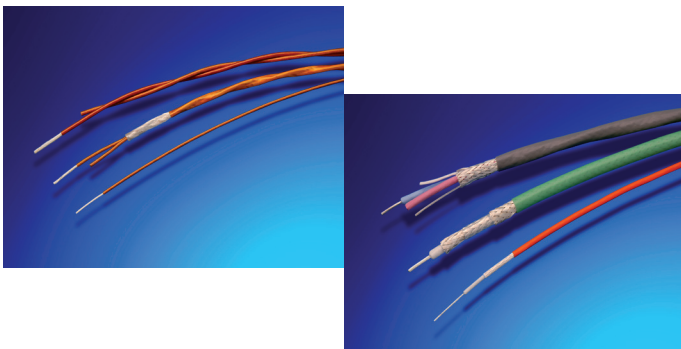
During the past decades Gore provided cables and assemblies for all important ESA missions including ISS, ATV, Galileo, ENVISAT, just to name a few.

Gore brings uniqueness to the market by using ePTFE with our extensive material modification knowledge, by using specially designed cable manufacturing processes, and by being an easy-to-communicate with and easy-to-buy from supplier that keeps its promises.



Realize the Benefits of GORE® Space Cables and Assemblies

- Reduced installation and maintenance costs without compromised performance
- Long-lasting life resulting from robust design
- Improved reliability within wide temperature span
- Reliable signal integrity
- Easier installation and reduced costs from common compatibility based on ECSS standard
- Better signal transmission, impedance, skew, attenuation, crosstalk, and EMC performance
- Improved reliability from rugged materials used in construction
- Valued reliability delivered from an ESA-qualified and a DIN EN ISO 9001:2000-certified manufacturing facility
- Superior sales and technical support from Gore's worldwide engineering team





GORE® Space Cable and Assemblies

Gore's ESCC-qualified product portfolio covers power cable according to ESCC 3901, suitable for LEO and/or GEO, and signal cable according to ESCC 3902:

ESCC 3901/009 (Power, GEO)

ESCC 3901/017 (Power, LEO)

ESCC 3901/018 (Power, LEO)

ESCC 3901/019 (Power, GEO)

ESCC 3901/021 (Power, GEO)

ESCC 3901/024 (Power, LEO)

ESCC 3902/002 (Signal, LEO)

ESCC 3902/003 (Signal, LEO)

Gore is the innovator of all of these qualified products, besides ESCC 3902/003, which is

Gore is also the innovator of a new cable described in ESCC 3901/025. This new specification enables our customers to reduce mass of their satellites' and launchers' harnesses by up to 19% and size up to 29%, compared to all other ESA-qualified cables (depending on the variant). By an average of 10 €/g to lift mass to LEO, savings of 20000 €/km can be realized. It is estimated that lifting mass to GEO is roughly five times more expensive, enabling our end users to save five times that amount.

We were able to achieve this by manufacturing a newly engineered fluoropolymer called TRF, Thin Resistant Fluoropolymer, among other innovations.

