



NAVAIS GNSS LMR-400

Low-Loss RF Cable Assembly



Professional-grade signal integrity. A low-loss 50-ohm connection between GNSS antennas and NAVAIS receivers for long cable runs in demanding installations.

Key Features

- Premium LMR-400 low-loss coaxial cable
- Available in 15 m, 20 m, 25 m and 30 m lengths
- UV-resistant polyethylene jacket for indoor and outdoor use
- TNC Male to TNC Male connectors
- Double shielding for strong EMI and RF interference rejection
- Suitable for GNSS, GPS and RTK signal transmission

Technical Specifications

Specification	Description
Product code	C1-30
Cable type	LMR-400 low-loss coaxial cable
Connector type	TNC Male to TNC Male
Available lengths	15 m, 20 m, 25 m, 30 m
Impedance	50 ohms
Outer diameter	10.3 mm (0.405 in)
Shielding	Double shielded
Jacket material	UV-resistant polyethylene
Frequency coverage	GNSS bands used by GPS, GLONASS, Galileo and BeiDou
Application	GNSS / GPS / RTK signal transmission
Installation	Indoor and outdoor

Why LMR-400 for GNSS

Low signal loss: Preserves weak satellite signals over longer cable runs.

Stable RTK performance: Maintains signal quality between the antenna and receiver for dependable high-accuracy positioning.

Flexible installation: Supports rooftop, tower, mast and permanent base-station deployments where antennas are separated from receivers.

Interference rejection: High-quality shielding helps protect against nearby radio, cellular and electrical interference.

Outdoor durability: The UV-resistant jacket supports long-term exposure to sun, moisture and temperature variation.

Typical Applications

Permanent GNSS reference stations | Survey systems | Marine positioning | Machine control | Infrastructure monitoring

Specify the required cable length when requesting a quotation. Contact info@navaisgnss.com