

The background of the entire page is a blue wireframe grid. Overlaid on this grid are several wireframe models of aircraft and radar systems. In the upper right, a large parabolic radar antenna is shown in profile. Below it, the fuselage and wings of a jet aircraft are visible, with landing gear extended. In the lower left, the nose and cockpit area of another aircraft are shown. A smaller, rectangular radar antenna is positioned in the lower right quadrant. The overall aesthetic is technical and futuristic.

**TT**  
**TIMES**  
MICROWAVE SYSTEMS  
AN AMPHENOL COMPANY

SOLUTIONS FOR  
**AVIONICS INSTALLATIONS**

# SOLUTIONS FOR AVIONICS INSTALLATIONS

## CABLES

### LMR® - FR

Fire retardant version of the highly-acclaimed LMR cable, both UL and CSA listed (CMR/CATVR) up to 8 GHz.



### TCA

Lightweight, low loss, higher temperature, highly flexible cable for avionics and communications up to 12 GHz.



### MaxGain®

Lowest insertion loss available cable assembly for higher frequency up to K-band SATCOM 50 GHz.

## FEATURES

- Low loss & high flexibility
- Full RF product line HF to Ka
- Lightweight technology
- High performance
- Broad temperature range
- Qualified to MIL-DTL-17 standards
- Meets FAA flame test

## TYPICAL APPLICATIONS

	LMR-FR	TCA	MaxGain
<b>Communications</b>			
HF	•	•	
VHF	•	•	
UHF	•	•	
Emergency Locator Transmitter (ELT)	•	•	
ATG Cellular	•	•	
SATCOM: L		•	•
SATCOM: Ku		•	•
SATCOM: Ka			•
<b>Collision Avoidance</b>			
ADS-B		•	
TCAS/Mode S		•	
TAS		•	
<b>Navigation</b>			
NDB/ADF	•	•	
ILS/GS/LOC/Marker Beacon	•	•	
VOR/DME	•	•	
GPS	•	•	
XM WX Satellite Weather	•	•	
<b>Sensing</b>			
External EO/IR Camera		•	•
Onboard surveillance	•	•	
Cockpit Displays	•	•	

## CONNECTORS

TMS aviation cables pair with a wide range of connectors, including:

- TNC, BNC, SMA, and N
- Female, right angle and sealed versions
- Si-Ni Bimetal for excellent corrosion resistance
- RoHS compliant
- Crimp or solder center pin options



### TCA Modular Connectors

TCA connectors enable installation for the configuration that best fits the final system. This flight friendly connector system makes terminating the cable quick and easy while ensuring optimal electrical and mechanical performance.

### TCA Connectors provide:

- Standardized and error-proof connectorization
- Reduced inventory costs and risks
- Easy in-field installations and repairs
- Eliminates Foreign Object Damage (FOD)
- Pretermination means no onboard tooling
- No braid trimming
- Meets IP-67

### Pulling nose:

Save time by preterminating the assemblies with the cable entry and attaching the reusable pulling nose to fish through the fuselage.



## ACCESSORIES



### Strip Tools

Simplify installation with our all-in-one prep tools for simple, safe, and repeatable cable termination for LMR and TCA. The TCA tools are supplied with a snap cover to help maintain control of cable debris reducing the likelihood of FOD.

### RF Filters

Manage antenna interference challenges with field installable bandpass and badgap filters.

### Bulkhead Pressure Feedthroughs

Achieve tight loss budgets with the lowest-attenuation design option for through-hull cable requirements.



### Blind Mate Antennas

Reduce maintenance time and eliminate service loops with blind mate antennas matched to our aviation cables.



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AND INFORMATION!**



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