

# Indigenous Source of Hi-Performance RF Coaxial & Hybrid Cable Sets upto 40 GHz for Defence (Radar, EW) Nuclear and T&M applications

**Customers: ADE, BELs, CAT, DEAL, DLRL, LRDE, HAL, Tata Power, RCI, SAC.**

• Hi-performance Cables & Connectors in stock • Customized lengths & connectors available • Quick delivery of evaluation samples

Our suppliers  
of Coax Cables  
& Connectors

**Therma** Beldoor

**Harbour**  
INDUSTRIES  
High Performance Fibre & Cables

**Rosenberger**

Telegärtner Inc. 

## Low Loss Flexible Cable Sets

**LL Series**



Solution to routing problem of Heliax

Used in

- Antenna Feeders
- Radars
- EW Systems

Replacement for Copper Corrugated types for **flexibility**

## Handformable Cable Sets



**SF02 Series**

**MIL-C-17 DC~18 GHz**

easily routable substitute for semi-rigid cable Sets

Interconnect applications for stable electrical performance

## Ultra Low Loss Cable Sets

**HF18G Series**

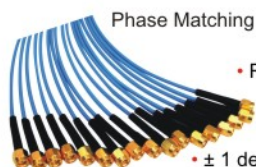


Ultra Low Loss 0.25dB/ft@18GHz

Suitable for Airborne applications

Equivalent to: Semflex LA290 Radiall SHF8M • H+S SF106

## Phase Matched Cable Sets



Phase Matching Tolerance

- Relative or absolute phase matching
- $\pm 1$  degree/GHZ

## Ultra Low Loss Cable Sets DC~18GHz



**ULL05 Series**

S-Band 0.59dB/m

X-Band 1.14dB/m

for harsh military applications

## Test & Measurement Cable Sets

- Reinforced cable connector joint
- Phase stable with flexures



Equivalent to Huber Suhner SucoTest

## MIL-1553 Cable Sets



• MIL1553 applications

• Military vehicles like Tanks

## Phase Adjustable Cable Sets



Available Phase Trimmers: 7/16, N and SMA types

for in-system Precise Phase Matching

## Ka-Band Coax Cable Sets



**DC~40 GHz**

- Imported low VSWR SS/Passivated K-Connectors
- Imported customized Ultra low loss cable

## SHV/MHV RF Cable Sets for upto 5KV DC use in Nuclear Instrumentation

SHV Connectors used comply to NIM ND-545 Standard



## NIM-CAMAC RF Cable Sets & Delay Lines for Nuclear Instrumentation

Uses NIM-CAMAC CD/N 549 Standard based connectors



## High Power Laser Delivery Fiber Optic Cable Sets

**APPLICATIONS**

- LIBS
- LIDAR
- Nuclear fusion
- High Power Lasers in defense
- Laser counter measures in defense



## Small Form Factor Connectors based Cable Sets for **Combi RF, Fiber & Electrical** Signal Transmission

- Handheld communication, ECM
- Headup-display, Missiles
- FLIR's, Gimbals, Thermal Imagers
- Various Man-Portable Military Equipments



Smaller than MIL3899

## High Power Coaxial Cable Sets for Plasma Nuclear, MRI Applications

Uses High Quality HN Connectors, Double Shielded Teflon Dielectric Cables

**APPLICATIONS**

- RF Matching Networks in plasma
- Nuclear Physics research & Magnetic Resonance Imaging



RF Coaxial, Hybrid and Fiber Optic Cable Sets  
Coaxial Cables and Connectors Catalog 2011

**SONATEK**  
reliable performance, dependable service