

# Orbis Systems India

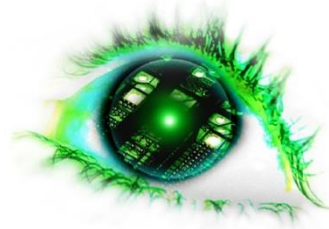
## RF and Signal Cables



WE CALL IT KNOWLEDGE

## ✓ More than 10 years of experience in automated test solutions

- More than 100 thousand km of cable assemblies
- More than 500 assurance & functional device testers
- More than 500 flashing test systems
- More than 500 fixtures & adaptors



- ✓ RF Cables, DC – 12GHz
- ✓ LF Cables
- ✓ Data / Communication Cables
- ✓ Power & Control Cables
- ✓ Custom design LT XLPE Cables Assy's
- ✓ Custom design HT XLPE Cables Assy's
- ✓ Customized Cable Assemblies

- ✓ Telecom & Datacom
- ✓ Heavy & AG Equipment
- ✓ Video & Vision Systems
- ✓ Medical Diagnostics
- ✓ Defence / Aerospace
- ✓ Shipyard and Marine
- ✓ Automation / Robotics
- ✓ Control Electronics
- ✓ Industrial Laser & Machining
- ✓ Aviation Nav aids & Runway Lighting

- ✓ Frequency Range: DC – 12Ghz
- ✓ Flexible & LSHF Cables (50 and 75  $\Omega$ )
- ✓ Low loss coax cables (50 and 75  $\Omega$ )
- ✓ High temperature coax cables (50 and 75  $\Omega$ )
- ✓ Low noise coax/ Triax cables (50 and 75  $\Omega$ )
- ✓ Hand formable Cables (50 and 75  $\Omega$ )
- ✓ Special impedances (93, 95 and 125  $\Omega$ )



## ✓ Flexible & LSHF cables

- Cable Types: RG58, RG59, RG174, RG213, RG214, RG223, RG316, RG142, RG400 & other industry standard types as needed.
- Max. operating frequency: DC -  $\leq 6$  GHz
- Operating temperature:  $-40^{\circ}\text{C}$  –  $+105^{\circ}\text{C}$
- Impedance:  $50\Omega$
- Attenuation: 169.6 dB/100M
- Max Power: 92W
- PVC and lead free, fire retardant (NFPA) and easy disposal
- Low smoke free of halogen in case of fire
- Lowest smoke generation (visibility): IEC 60754-1
- Meets the upcoming EU environmental regulations
- Standards: IEC 60754-1 & IEC 60754-2



## ✓ Low loss cables

- Max. operating frequency: DC -  $\leq 6$  GHz
- Operating temperature:  $-55^{\circ}\text{C} - +200^{\circ}\text{C}$
- Impedence:  $50\Omega$
- Attenuation: 9.85 dB/M
- Max Power: 220W



## ✓ High temp cables

- Max. Operating Frequency: DC -  $\leq 6$  GHz
- Operating Temp:  $-65^{\circ}\text{C} +165^{\circ}\text{C}$
- Impedence:  $50\Omega$
- Attenuation: 3.85 dB/M
- Max Power: 210W



## ✓ Hand formable cables

- Cable types: Sucoform 141CU, 141PE, 86, 47, 250
- Max. operating frequency: DC -  $\leq 33\text{GHz}$
- Operating temperature:  $-65^{\circ}\text{C} - +165^{\circ}\text{C}$
- Impedence:  $50\Omega$
- Attenuation:  $1.47\text{dB/M}$
- Max Power:  $115\text{W}$
- Meets the upcoming EU environmental regulations



## ✓ Low noise triax cables

- Max. operating frequency: DC -  $\leq 2\text{GHz}$
- Operating temperature:  $-25^{\circ}\text{C} - +85^{\circ}\text{C}$
- Impedence:  $50\Omega$
- Attenuation:  $2.06\text{dB/M}$
- Meets the upcoming EU environmental regulations





## BNC Assemblies



## SMA Assemblies



## MCX Assemblies



## N Type Assemblies



## 7/16 Type Assemblies



## TNC Type Assemblies



## Hybrid Cable Assemblies



**BNC- TNC**



**TNC - MCX**

## ✓ New Smart Quick-Fit Connector Assemblies

- Quick, easy and secure field installation
- Two-piece design
- Multi-brand cable compatibility
- High performance stripping tool support
- Existing stripping tool usability (H+S and others)
- Water proof (IP68)
- Excellent RF performance
- Lowest possible PIM products
- Long life cycle
- Reusable

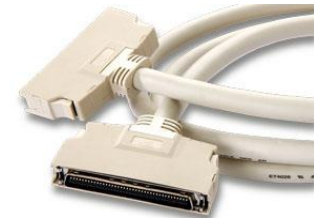




**USB Cable**



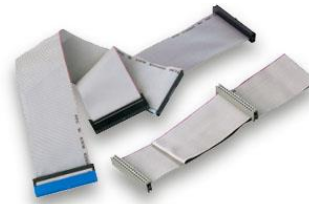
**D-SUB Cable  
Assembly**



**MDR Cable  
Assembly**



**SCSI Cable  
Assembly**



**Flat Cable  
Assembly**



**FFC Cable  
Assembly**



- ✓ AutoCAD
- ✓ Visio Technical
- ✓ Tooling Design
- ✓ Configuration Control
- ✓ Asses Manufacturability
- ✓ Proto Building

