



DISTRIBUTION PRODUCT LINE

Brochure



SIMPLIFICATION IS OUR INNOVATION

Radial 

INNOVATION LEADERS

Radiall is a global leader in the design, development and manufacturing of innovative interconnect solutions. Dedicated to understanding our customers' needs since 1952, we have built an award winning reputation in engineering ingenuity by providing a constant flow of creative system solutions to telecommunications, aerospace, defense, instrumentation, industrial, and medical markets.

RF & MICROWAVE TERMINATIONS AND ATTENUATORS

- Comprehensive range of components up to 50GHz
- Type N, BNC, TNC, SMA, SMA 3.5, SMA 2.9, 2.4mm
- Medium & high power terminations & attenuators up to 6GHz & 1 kW
- Power dividers / combiners up to 26.5GHz
- Rotary joints, phase shifters
- Low PIM models
- Microwave filters



RF COAXIAL CONNECTORS

- Comprehensive range of RF connectors up to 65GHz
- All standard series: SMA, SMP, SMPM, N, TNC, SMB, SMC, SSMC, MMCX, MCX, BNC
- Blind mate: SMP, SMPM, SMPW, BMA
- High frequency precision connectors for test: 2.4mm, SMA2.9, TNC18
- High power antenna low PIM connectors: NEX10, 4.3-10, QLI, 7-16
- High voltage connectors: BNC HV/MHV, HN, SHV
- Locking connectors: SMP-LOCK, SMB-LOCK, TNC Self-lock
- MIL-PRF-39012 QPL connectors
- Quick Lock Formula (QLF) certified QMA & QN
- RF Board-to-board interconnects: MMBX, SMP-MAX, IMP
- Switching connectors: Moebius, MC-Card, SMA, QN
- Waterproof, stainless steel, light weight, hermetic, and non-magnetic connectors available



RF COAXIAL ADAPTERS

- Large selection of In-series and Between-series
- 50 & 75Ohm
- Push-on and Quick disconnect models for production test
- Precision adapters for test lab
- Many configurations available: straight, bulkhead, flange mount, press in, right angle, sealed, hermetic



RF & MICROWAVE SWITCHES

- High reliability RAMSES patented modular technology
- More than 10 million cycles
- Frequency range up to 50GHz
- Comprehensive range of SPDT, DPDT, DP3T, SPnT (1x3 through 1x12)
- Terminated and unterminated versions
- Smallest subminiature SPnT series
- TVAC switches (Thermal Vacuum) for ground segment application
- High performance Titanium & Platinum switches with long life span & guaranteed repeatability 0.03dB on IL
- SPDT Quartz Series: Surface Mount Technology (SMT) up to 26.5GHz
- Low PIM switch series -160dBc: passive intermodulation



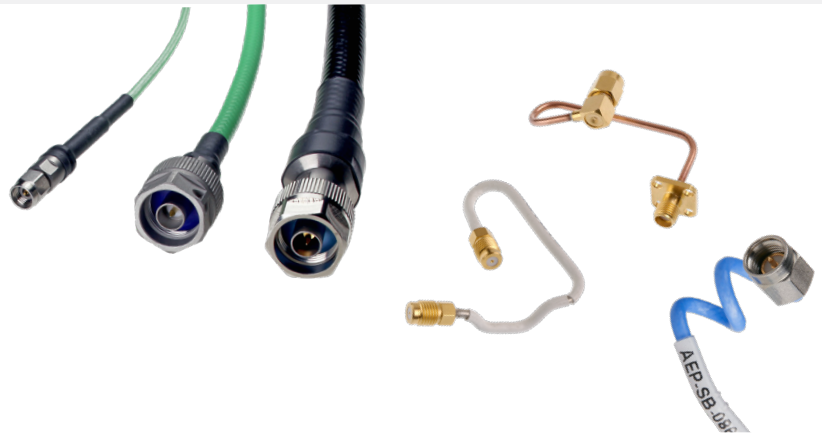
RF CABLE ASSEMBLIES

Standard Cable Assemblies

- Hand-formable
- Semi-rigid
- RG flexible

Proprietary Cable Assemblies

- Short bend
- SHF Ultra Low Loss
 - Loss optimized up to 67GHz
 - Phase matching option
 - Armored, Lightweight & Airframe versions
- Custom cable assemblies and lengths available



TESTPRO CABLE ASSEMBLIES

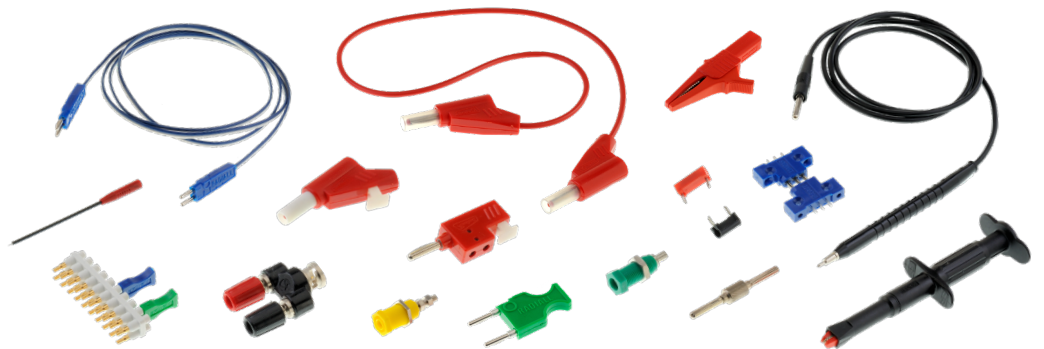
Bench Test Cable Assemblies

- VNA TestPro grade 40, 50 & 67GHz
- Lab TestPro grade 18, 26.5, 40, 50 & 67GHz
- Low Loss TestPro
- 5000 mating/unmating life cycles
- Flex life: over 20,000 flex cycles per Mil IEC966-1
- Phase & loss stability for long calibration intervals
- Connector series: SMA, SMA3.5, SMA2.9, 2.4mm, 1.85mm, NMD2.9, N18, TNC18, PC7
- Low profile connector configurations
- TVAC options available
- Phase matching options



BANANA PLUGS

- 2mm, 4mm & adapters
- Excellent electrical conductivity
- Very low contact resistance
- Robust contact point pressure when connected
- Outstanding durability for high number of mating cycles



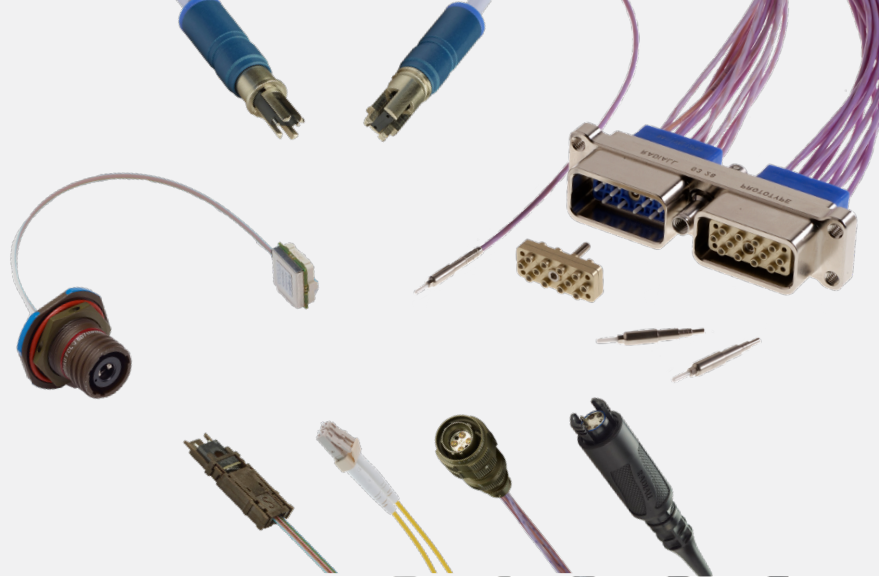
OPTICAL INTERCONNECT SOLUTIONS

Harsh environment FO connectivity

- Ruggedized FO contacts: LuxCis® ARINC 801 with its expandable range of rectangular and circular connectors
- High density MT based interconnects for harsh environments: C-MTitan™ and Q-MTitan™
- Various Expanded Beam solutions: ExoBeam™ Tactical cable assemblies, EB-LuxCis®
- LC, SC, ST simplex and duplex connectors

Full cable assembly and harness capabilities from design to delivery of high-end optical systems

- Synergy with active optics from D-Lightsys®
- Fiber management accessories
- Field kits, test & maintenance solutions and training



OUTDOOR INTERCONNECTIONS

- OCTIS™: robust I/O solution for outdoor small cell and next generation RRU/RRH
- R2CT®: flexible outdoor solution for FTTA and wireless telecom applications
- RXF: 2 and 4 channels outdoor optical connector
- OPUS: push-pull compact solution for fiber optic and coaxial outdoor links



MULTIPIN CONNECTORS

- Rack and Panel connectors: NSX Arinc 600, DSX (Arinc 404 & SAE AS81659), MPX (EN3682 & MIL-DTL-83527), EPX™ (EN4644)
- Modular series: EPX™(EN4644), QM, HDQX
- QuickMate connectors: QM, QuickFusio™ miniature connector
- Miniature connectors: QuickFusio™
- Board level and industrial connectors: B&MCSR, MM & MB, RTX, MMC



ANTENNAS

- Manpack, vehicle & handheld radios
- UAV/UGV2 & other sensors
- Airborne, onboard & external
- Antenna frequency: 30 MHz & up
- Single, dual & multi-band, external or embedded
- Active & passive GPS (L1 & L1/L2)
- Overmolded, whip, patch printed
- N-type, TNC, SMA, & speciality connectors
- Custom design applications, low to high power
- In-house antenna measurement system
- MIL-STD 810 compliant
- Available in AEP brand products



CIRCULAR MULTIPIN CONNECTIONS

- Threaded: CVS
- Bayonet: CVB, CVBS, VF2, CT, V CVBS

CODE	PRODUCT SERIES	INFO
	CVS	Threaded 5015 connectors
	CVB	Reverse bayonet 5015 connectors
	CVBS	Heavy duty bayonet 5015 connectors
	VF2	Fanuc Motor connectors
	CT	Bayonet 26482 connectors
	EVBS	Ruggedized CAT5, CAT5E and CAT6 data connectors



CIRCULAR MODULAR CONNECTOR SYSTEM

- GM, GMH

CODE	PRODUCT SERIES	INFO
	GM	Modular connector system
	GMH	Modular connector handle actuated



RAILWAY CIRCULAR MULTIPIN CONNECTORS

- RF CVBS, KVBS, RF CT, EVBS, RACK
- RF CVBSG, RF GVJ, RF CT, V CVBS

CODE	PRODUCT SERIES	INFO
	RF CVBS	Reverse bayonet 5015 connectors
	RF CVBSG	Reverse bayonet 5015 connectors fully rubber coated connectors
	RF GCJ	Oversized reverse bayonet connector
	KVBS	Heavy duty bayonet 5015 connectors
	RACK	High density rack mount connectors
	RF EVBS	Ruggedized CAT5, CAT5E and CAT6 data connectors
	EVBS C7	Category 7A
	RF CT	Bayonet 26482 connectors
	V CVBS	Viton connectors
	S&P	Snap & pool connectors
	CVSH	5015 based handle actuated connectors



ATEX EXPLOSIVE ATMOSPHERES

- CVB-EX
- CVBM-EX

CODE	PRODUCT SERIES	INFO
	CVB-EX	Hazardous area connector according to II 2GD Ex d IIC T6/T5 tDA21 IP66/67
	CVBM-EX	Hazardous area connector according to I M2 Exd I IP66/67



SIMPLIFICATION is our INNOVATION

At Radiall, simplification is our innovation. We simplify life for all those who innovate, by streamlining manufacturing, by being accessible and easy to work with, and by delivering the most leading edge products that minimize implementation and drive performance.

AREA OFFICES / LOCAL CONTACTS

EUROPE

ADDRESS	PHONE	FAX	EMAIL
FINLAND Radiall Finland PO Box 202 - 90101 Oulu	+358 407522412		infofi@radiall.com
FRANCE Radiall SA 25 Rue Madeleine Vionnet - 93300 Aubervilliers	+33 (0)1 49 35 35 35		info@radiall.com
GERMANY Radiall GmbH Carl-Zeiss Str. 10 - D 63322 Rödermark	+49 60 74 91 07 0	+49 60 74 91 07 10	infode@radiall.com
ITALY Radiall Elettronica S.R.L Via Zambelletti 19 - 20021 Baranzate Milano	+39 02 48 85 121	+39 02 48 84 30 18	infoit@radiall.com
NETHERLANDS Radiall Nederland BV Hogebrinkerweg 15b - 3871 KM Hoevelaken	+31 (0)33 253 40 09	+31 (0)33 253 45 12	infoln@radiall.com
SWEDEN Radiall AB Sollentunavägen 63 - 191 40 Sollentuna	+46 8 444 34 10		infose@radiall.com
UNITED KINGDOM Radiall Ltd Profile West 950 Great West Rd Brentford, Middlesex TW8 9ES	+44 (0)1895 425000	+44 (0)1895 425010	infouk@radiall.com

ASIA

CHINA Shanghai Radiall Electronics CO, Ltd N° 390 Yong He Rd SHANGHAI 200072 P.R.C	+86 21 66523788	+86 21 66521177	infozh@radiall.com
HONG KONG Radiall Electronics (Asia) Ltd Room A, 16/F., Ford Glory Plaza, 37-39 Wing Hong Street - Cheung Sha Wan - Kowloon - Hong Kong	+852 29593833	+852 29592636	infohk@radiall.com
INDIA Radiall India Pvt. Ltd 25.D.II phase Peenya Industrial Area. Bangalore-560058	+91 80 283 95 271	+91 80 283 97 228	infoin@radiall.com
JAPAN Nihon Radiall K.K. 8F, Sawada building, 3-22-8 Higashi Shibuya-ku Tokyo 150-0013	03 (6427) 4455	03 (6427) 4456	infojp@radiall.com

AMERICAS

USA & CANADA Radiall USA, Inc. 8950 South 52nd Street Ste 401 Tempe, AZ 85284	+1 480-682-9400	+1 480-682-9403	infousa@radiall.com
--	-----------------	-----------------	---------------------

GLOBAL PRESENCE

*Australia · Austria · Belgium · Brazil · Czech Republic · Denmark · Estonia · Greece · Hungary · Indonesia · Israel · Korea · Latvia · Lithuania
Malaysia · Norway · Philippines · Poland · Portugal · Russia · Singapore · Spain · Switzerland · Taiwan · Thailand · Vietnam · South Africa*