



Applications

- Earth Stations
- CATV headends
- Broadcast
- Cellular / PCS — tunnels, etc.
- GPS, radar, surveillance

Features & Benefits

- Widest range of performance, package & frequency options in the industry
- 20 GHz bandwidths
- Systems for IF, L, S, C, X, & Ku
- Long distances
- EMI, lightning & security protection
- Cost-saving architectures

RF Fiber Links for Satellite & Microwave

For nearly 25 years the Ortel Division of EMCORE has pioneered innovative RF fiberoptic solutions, and today offers even more flexibility and convenience. Our complete line of subassemblies and systems removes distance limitations at cost and performance levels suited for headends, broadcast studios, operation centers and satellite earth stations.

8000 Line - Full-featured, Intelsat-compliant links with M&C and redundancy.

Models (Tx/Rx)	Band	Frequency	Max Distance
8603A / 8604A	IF	40 — 200 MHz	70 km
8710A / 8720A	L	950 — 2050 MHz	55 km
8810B / 8820B	C Down	400 — 4200 MHz	35 km
8810A / 8820A	C Up	5845 — 6725 MHz	35 km
8850A / 8860A	X	7250 — 8400 MHz	25 km
8910B / 8920B	Ku Down	10950 — 12750 MHz	15 km
8910A / 8920A	Ku Up	14000 — 14500 MHz	15 km

10000 “WiBa” Line - Flexible, stable links to 40 km in compact 19” racks.

Models	Description
10381, 10382 / 10481, 10482	Tx / Rx, 5 — 2700 MHz, 50 Ohm
10383, 10384 / 10483, 10384	TX / Rx, 5 — 2500 MHz, 75 Ohm
10990A, 10901A, 10901B	Chassis and redundant power supplies
10209	RF Redundancy Switch Unit

5100 Line - Basic links to 2 km for 19” rack or outdoor installations.

Models	Description
3120A, 10357A / 4120A, 10457A	Tx / Rx, 10 — 200 MHz
3110A, 10346A / 4110A, 10446A	TX / Rx, 950 — 1450 MHz
3111A, 10346B / 4111A, 10446B	Tx / Rx, 950 — 1750 MHz
3112A, 10347A / 4112A, 10447A	Tx / Rx, 950 — 2050 MHz

5100 Line - Basic links to 2 km for 19” rack or outdoor installations.

Models	Description
1540A, 3540A, 10340A	Tx, 5 GHz max, 1310 nm
1541A/B/C, 3541A/B/C, 10341A/B/C	Tx, 10-18 GHz max, 1310 nm
1740A, 3740A, 10370A	Tx, 4 GHz max, 1550 nm
1741A, 3741A, 10371A	Tx, 10 GHz max, 1550 nm
2510A/B, 4510A/B, 10450A/B	Rx, 3-6 GHz max
2515A/B, 4515A/B, 10455A/B	Rx, 10-12 GHz max
2516A/B/C, 4516A/B/C, 10456A/B/C	Rx, 15-20 GHz max
2518A/B, 2518A/B, 10458A/B	Rx, 10-15 GHz max, high optical input
5016A/B/C/D	Transceiver, 4-18 GHz max
355A, 356A, 357A	Fiber delay pool, ≤200 microsec.



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