

OPTIMIZED
FOR USE WITH

BLUMARK
COAX CABLES



GM8 RF

RF / microwave
assemblies built with
signature-performance
GM8 multi-port housings, low-loss cables,
and high-frequency connector contacts



Two designs of the connector housing are supplied: the GRF18 with signature polarization lobes, and the GRF17 legacy standard intermateable.

The Glenair GM8 signature multi-port interconnect system is ruggedized for use in inside-the-box as well as harsh environmental / vibration and shock applications, and is qualified to meet the rigorous performance specifications of MIL-T-81490 and MIL-DTL-87104. Glenair vapor-sealed (hermetic) GM8 connector and cable assemblies offer excellent protection against humidity with excellent phase tracking characteristics, low VSWR, and low insertion loss up to 18 GHz. Supplied in two jackscrew-mating formats: a signature design with integrated primary and secondary polarization, and an intermateable design. Single- and dual-row insert arrangements with straight, 45°, and 90° cable exits for optimized routing.

- 18 GHz operating frequency with better than 100 dB of isolation between channels
- GRF18 series prevents mismatching with primary and secondary polarization
- Fixed connector interfaces or replaceable scoop-proof interfaces
- Hermetically-sealed connector housing and contacts
- Spring-loaded connector interfaces deliver industry-best electrical and signal performance
- Optimized for use with Glenair BluMark RF cables

HERMETICALLY-SEALED GM8 Multi-Port Interconnect Systems



Drop-in, high-performance replacements for industry-standard M8-type assemblies plus Glenair signature designs

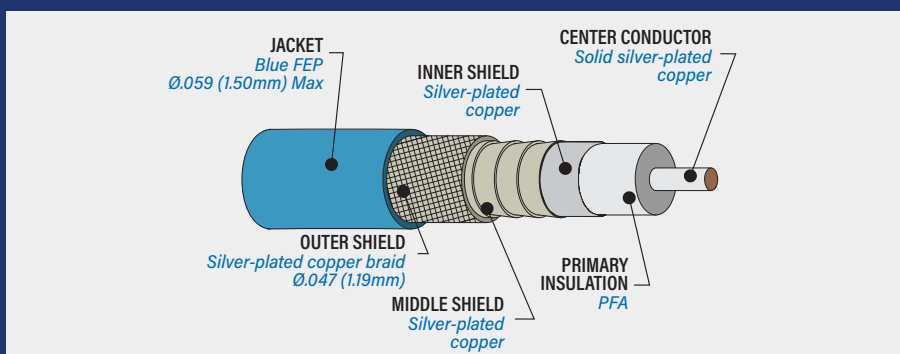
ABOUT GM8 RF MULTI-PORT INTERCONNECTS

The Glenair GM8 multi-port RF series is a coaxial connector family that allows multiple high-frequency signals to be transmitted or received simultaneously via a single multi-port shell. Two styles of GM8 housings are supplied in space-saving multi-port single-, double- and triple-row configurations with up to 24 ports, to accommodate a 50 Ohm coaxial cable. Glenair signature GRF18 housings feature primary and secondary polarization. A standard M8-intermateable design is also available. Both versions are supplied in various configurations including panel-mount, bulkhead, and cable-to-cable, for use in flight radar, antenna systems, RF switches, and signal processing and distribution systems. Individual connector contacts are equipped with improved lead-in radius and O-ring sealing for dielectric isolation and hermetic performance.

GLENAIR BLUMARK RF CABLE 962-025-047 / -086 FOR INSIDE-THE-BOX APPLICATIONS



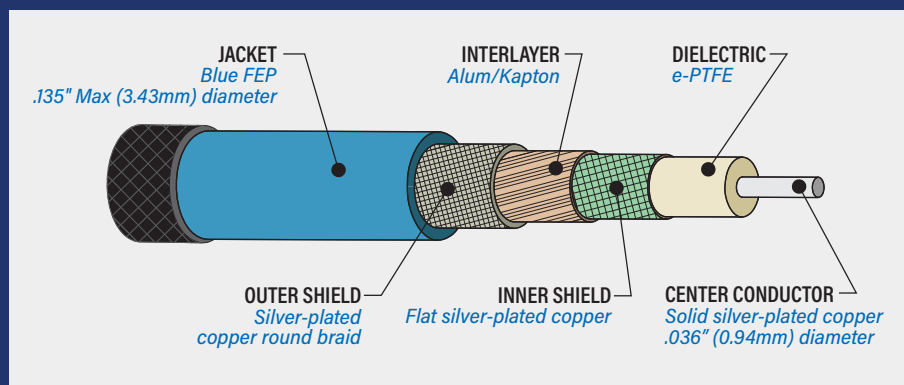
- 50 ohm / up to 70 GHz
- -65° to +165° C
- .056" and .104" diameters
- >90 dB shield effectiveness
- Double shield: braid over tape wrap



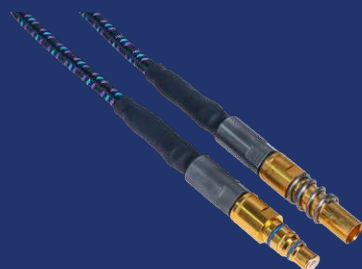
GLENAIR BLUMARK RF CABLE 962-032 -130 THRU -300 FOR HARSH ENVIRONMENTAL APPLICATIONS



- 50 ohm / up to 40 GHz
- -65° to +200° C
- FEP jacket, e-PTFE dielectric
- >95 dB shield effectiveness
- Low attenuation



ABOUT GM8 FIXED AND REPLACEABLE FRONT-END INTERFACE CONNECTORS AND CABLES



- Improved lead-in radius for contact misalignment accommodation
- Scoop-proof protection on replaceable front-end interface designs
- Optimized for low-loss Glenair BluMark RF cable assemblies
- Cable size support: 130, 160, 200, 235, and 300
- Rear-mount configuration
- Insertion and removal tooling
- Ships with ESD-safe O-ring protector