Delphi Coax Cable Assemblies

Delphi’s portfolio of FAKRA RF (radio-frequency) connectors and cable assembly capabilities allow Delphi to meet the unique coaxial (coax) connection requirements of every OEM. Additionally, using Delphi FAKRA connectors and cable assembly capabilities can significantly reduce complexity as well as complete coax cable assembly costs.

Manufactured via an innovative process that is more efficient and cost-effective when compared to the traditional screw-machined method, Delphi’s portfolio of FAKRA connectors allow for direct “drop-in” replacement for RG58 and RG316/174 cables in multiple automotive applications.

All Delphi RF connectors and cable assemblies are designed to meet FAKRA, ISO (International Standards Organization) and USCAR (United States Council for Automotive Research) specifications.

Delphi’s current portfolio of high speed data cable assemblies includes:

**Delphi FAKRA Connectors:** Consisting of RF coaxial cable terminals and male or female, single-position plastic housings, these connectors are designed to connect coaxial cable assemblies without sacrificing quality or performance. They are suitable for in-vehicle applications that use RF coaxial cable, such as RG-58 and RG-174. They are designed to meet USCAR and DIN (German Institute for Standardization) specifications.

**Delphi FAKRA Terminals:** These versatile terminals are manufactured with an innovative process that is more efficient than traditional methods.
**RF Cable Assembly Capabilities:** Delphi has a vast portfolio of RF cable assembly capabilities that allow Delphi to terminate Delphi FAKRA connectors and also any OEM-specific connectors, including power and signal as well non-FAKRA RF connectors. Delphi RF cable assemblies are in production worldwide and meet multiple OEM and industry standards.

### Benefits

RF connectors are more efficient and cost-effective than traditional screw-machined alternatives

- Carrier-fed terminals enable crimp automation for reduced cost
- No connector/terminal pre-assembly required for simpler installation
- Compatible with existing FAKRA devices
- Optional clip slot included on female connector allows use of standard Delphi clip
- All standard key codes and colors available

### Typical Applications

Delphi Coax Cable Assemblies can be used in virtually any vehicle application that uses RF coaxial cable as the data transmission conduit. Common uses include:

- Satellite radios
- GPS navigation systems
- Mobile phones
- Terrestrial radios (AM/FM)

### The Delphi Advantage

Delphi has been a high-volume producer of RF and coax products for more than 15 years and is positioned to provide high performance connection systems and coaxial cable assemblies to customers worldwide. By combining product development resources, engineering expertise, and manufacturing technology, we offer our customers optimum solutions to meet their program needs.