



Overview

Amphenol RF offers high-flex RG-58 cable assemblies in various in-series configurations including BNC, FAKRA, N-Type, SMA and TNC. Durable connector interfaces ensure consistent mechanical integrity in demanding applications. These assemblies are ideal for automation, communication systems and RF laboratory environments.

These 50 ohm cable assemblies offer reliable electrical performance up to 3 GHz and are engineered for applications requiring a tight bend radius and repeated cable movement. High-flex RG-58 cable features a fine-wire stranded copper center conductor with a tinned copper braid shield. The cable maintains consistent electrical performance when flexed, making the assemblies highly suited for dynamic routing to support a wide range of integration requirements.

Features and Benefits

- Supports millions of flexures
- Reliable electrical performance up to 3 GHz
- Designed on highly flexible cable type
- Durable connector interface configurations
- Consistent electrical performance when flexed

Applications

- Test and measurement equipment
- Industrial automation and robotics
- Wireless communications infrastructure
- RF prototyping and laboratory environments
- Automotive connectivity systems
- Transportation and telematics

Amphenol RF

Four Old Newtown Road
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For more information visit www.amphenolrf.com
or call 800.627.7100

High-Flex RG-58 Cable Assemblies

Dynamically Routable 50 Ohm In-Series Assemblies

Ordering Information

In-series Assemblies on RG-58 Cable

Part Number	Description
095-850-334XXXX	BNC Straight Plug to BNC Straight Plug
095FJFXPSK-XXX	FAKRA Straight Jack to FAKRA Straight Plug
095FPXFPXSK-XXX	FAKRA Straight Plug to FAKRA Straight Plug
095FJXFJXSK-XXX	FAKRA Straight Jack to FAKRA Straight Jack
095-850-336XXXX	N-Type Straight Plug to N-Type Straight Plug
095-902-619XXXX	SMA Straight Plug to SMA Straight Plug
095-902-620XXXX	SMA Straight Plug to SMA Straight Bulkhead Jack
095-850-335XXXX	TNC Straight Plug to TNC Straight Plug

Note: 'XXX:' and 'XXXX' denotes length code. See chart below for available lengths.

Standard Lengths Available

Length Code	Length in Inches (Millimeters)
-012	12.00 in (304.80 mm)
-018	18.00 in (457.20 mm)
-024	24.00 in (610 mm)
-036	36.00 in (914.40 mm)
M100	39.37 in (1000 mm)
M200	78.74 in (2000 mm)
M300	118.11 in (3000 mm)

Technical Specifications

Connectors

Electrical

Impedance	50Ω
Frequency Range	DC – 3 GHz
Dielectric Withstanding Voltage	800 VRMS Max

Environmental

Temperature Range	-40°C to +85°C
RoHS Compliance	Compliant with Exemption 6C

Mechanical

Mating Cycles	500 Min
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Materials

Body	Brass, Nickel Plated
Insulator	PTFE

Note: Technical specifications are typical and may vary by specific part number. Please see component drawing.

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