



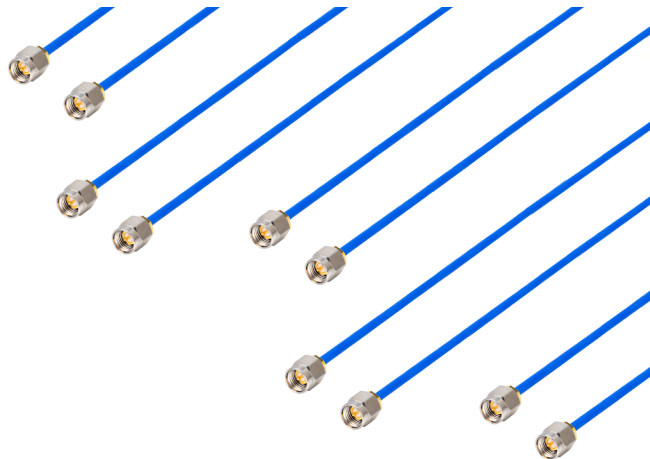
Mini-Circuits

DESIGNER'S KIT KHFC2-086+

# Coaxial Cables

**HAND FLEX™**

DC to 18 GHz, SMA-Male Connectors



## FEATURES

- Hand Formable
- Choice of cable lengths
- Robust
- Tight Bend Radius, 6mm Radius Min.
- Excellent Return Loss
- Excellent Insertion Loss
- Very Low Cost

 MINI-CIRCUITS DESIGNER'S KITS  
**SPEED UP**  
 THE SOLUTION


## KHFC2-086+ ELECTRICAL SPECIFICATIONS

(kit includes 5 of each model, total 50 pieces)

| Model No. <sup>1</sup> | Freq. (GHz)<br>$f_L$ - $f_U$ | Length <sup>2</sup> (Inches) | Insertion loss (dB) |                   |                    |                     | Return Loss (dB)   |                   |                    |                     |
|------------------------|------------------------------|------------------------------|---------------------|-------------------|--------------------|---------------------|--------------------|-------------------|--------------------|---------------------|
|                        |                              |                              | DC - 2 GHz<br>Typ.  | 2 - 6 GHz<br>Typ. | 6 - 10 GHz<br>Typ. | 10 - 18 GHz<br>Typ. | DC - 2 GHz<br>Typ. | 2 - 6 GHz<br>Typ. | 6 - 10 GHz<br>Typ. | 10 - 18 GHz<br>Typ. |
| 086-2SM+               | DC-18                        | 2                            | 0.10                | 0.16              | 0.19               | 0.33                | 30                 | 25                | 25                 | 18                  |
| 086-3SM+               | DC-18                        | 3                            | 0.04                | 0.14              | 0.2                | 0.31                | 49                 | 37                | 33                 | 27                  |
| 086-4SM+               | DC-18                        | 4                            | 0.05                | 0.16              | 0.23               | 0.34                | 46                 | 37                | 33                 | 26                  |
| 086-5SM+               | DC-18                        | 5                            | 0.06                | 0.20              | 0.29               | 0.41                | 46                 | 37                | 33                 | 27                  |
| 086-6SM+               | DC-18                        | 6                            | 0.08                | 0.26              | 0.34               | 0.52                | 49                 | 40                | 34                 | 27                  |
| 086-7SM+               | DC-18                        | 7                            | 0.10                | 0.28              | 0.42               | 0.60                | 47                 | 40                | 32                 | 26                  |
| 086-8SM+               | DC-18                        | 8                            | 0.10                | 0.31              | 0.46               | 0.69                | 46                 | 43                | 36                 | 27                  |
| 086-9SM+               | DC-18                        | 9                            | 0.11                | 0.36              | 0.54               | 0.79                | 47                 | 39                | 33                 | 29                  |
| 086-10SM+              | DC-18                        | 10                           | 0.12                | 0.38              | 0.58               | 0.85                | 45                 | 40                | 35                 | 27                  |
| 086-12SM+              | DC-18                        | 12                           | 0.14                | 0.46              | 0.69               | 1.01                | 45                 | 41                | 36                 | 30                  |

1. Unjacketed cable also available upon request.

2. Custom sizes available upon request.

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 REV. A  
 ECO-009165  
 KHFC2-086+  
 MCL NY  
 210810



All Mini-Circuits products are manufactured under exacting quality assurance and control standards, and are capable of meeting published specifications after being subjected to any or all of the following physical and environmental test.

| Specification         | Test/Inspection Condition                                                    | Reference/Spec              |
|-----------------------|------------------------------------------------------------------------------|-----------------------------|
| Operating Temperature | -55° to 105° C or -55° to 85° C (see datasheet)<br>Ambient Environment       | Individual Model Data sheet |
| Storage Temperature   | -55° to 105° C or -55° to 85° C (see data sheet)<br>Ambient Environment      | Individual Model Data Sheet |
| Thermal Shock         | -55° to 100°C, 100 Cycles                                                    | MIL-STD-202F; Method 107G   |
| Multiple Bend Radius  | 40 mm, 5 times for 141 series cables<br>30 mm, 5 times for 086 series cables |                             |
| Single Bend Radius    | 8 mm for 141 series cables<br>6 mm for 086 series cables                     |                             |