

# HFC SERIES

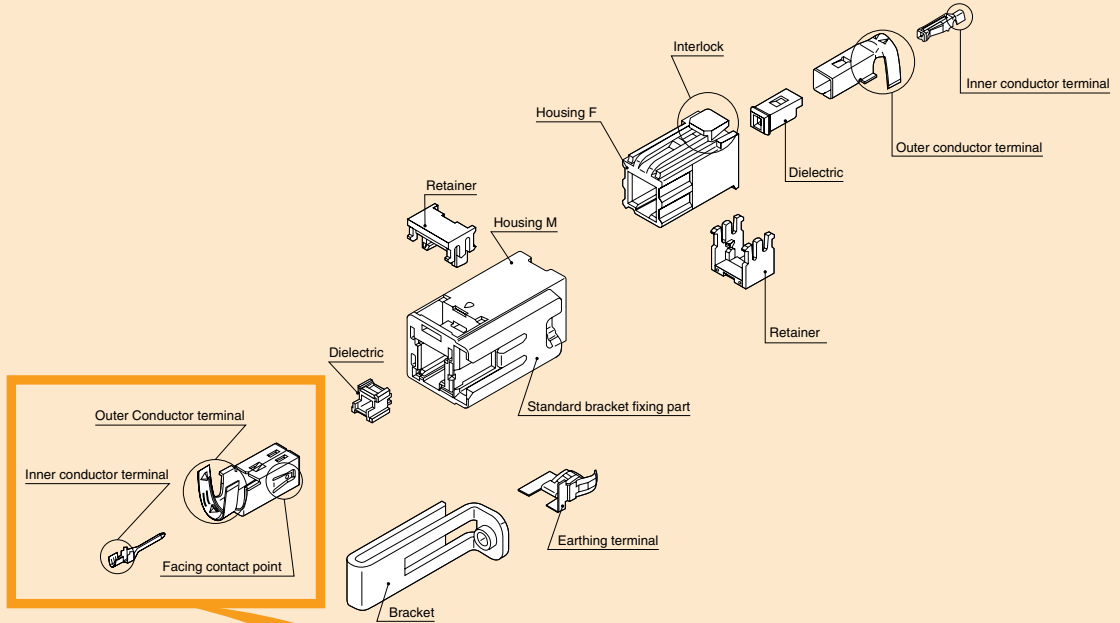
## Characteristics

HFC (High Frequency Connector) series are connectors that connect on-board multimedia devices, such as GPS, TV, VICS and etc., and coaxial wires. These are also suitable for mobile telephone and sensor circuit.

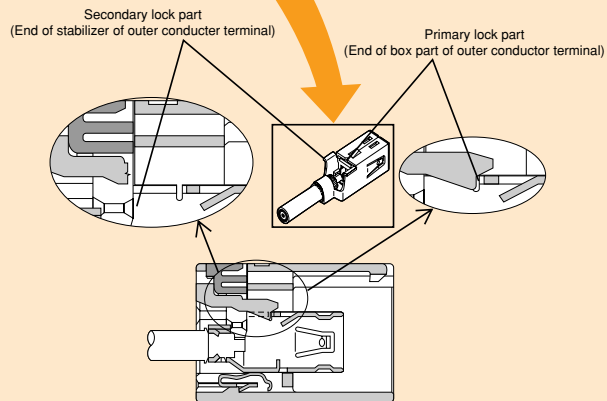
- It reduces reflection/transmission loss and restrains noise radiation. It achieved smaller size with higher performance.
- Hybrid types for high frequency coaxial wire and automobile wire (AV) are established. (It supports diversity receiving system).
- Retainer for secondary lock is assembled beforehand and the structure allows the high frequency coaxial wire and AV wire to be set by one operation. Therefore improvement of assembling operation can be planned.

R-01

### Structure



### Primary lock structure



### Secondary lock structure of HFC

### Basic specification

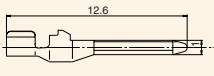
<b>Type</b>	1 way coaxial wire	
	1 way coaxial wire + 4 way AV wire	
	2 way coaxial wire + 1 way AV wire	
	3 way coaxial wire + 6 way AV wire	
<b>Contact resistance</b>	Coaxial wire	Max. 10mΩ (Initial)
	AV wire	Max. 5mΩ (Initial)
<b>Insulation resistance</b>	100MΩ or more	
<b>Working temperature</b>	-30°C~+80°C	
<b>VSWR (2.5Ghz)</b>	1.3 (average)	

<b>Material</b>	M. Connector	Housing		PBT
		Terminal	Inner conductor	Brass (Sn plating)
	Outer conductor			
	F. Connector	Housing		PBT
Terminal		Inner conductor	Phosphor bronze for spring (Sn plating)	
	Outer conductor	Brass (Sn plating)		
<b>Characteristics</b>				Improved high frequency characteristics
				Improved assembly workability
				Secondary lock structure

(Note) AV wire = Max. AVSS0.5mm<sup>2</sup> (Terminal is 040 type).

### Inner conductor terminal (UNIT: mm)

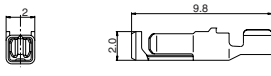
M



●Quantity on one reel (piece)  
12000

**S(8100-2798) M(8100-2799) L(8100-3204)**

F

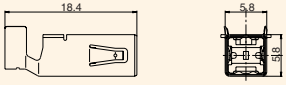


●Quantity on one reel (piece)  
12000

**S(8100-2801) M(8100-2802) L(8100-3203)**

### Outer conductor terminal (UNIT: mm)

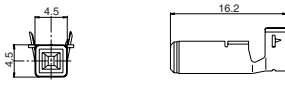
M



●Quantity on one reel (piece)  
M : 1500  
L : 1000

**M(8100-3457) L(8100-3458)**

F



●Quantity on one reel (piece)  
M : 1500  
L : 1000

**M(8100-3459) L(8100-3460)**

### Applicable coaxial wire

Applicable coaxial wire (Note 1)	1.5C-2V	1.5D-2V	2.4D	Low capacity
Inner conductor terminal	S	M	L	(Note 2)
Outer conductor terminal	M	M	L	L

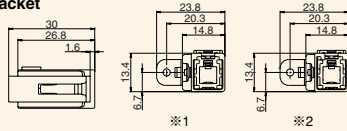
(Note 1) For some coaxial wire and wire makers, it might be inapplicable. Please contact our sales representative for more details.

(Note 2) Please refer to instruction manual (T-250) for matching of applicable coaxial wires and terminals.

### Housing (UNIT: mm)

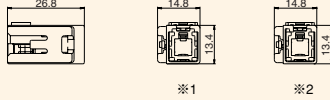
1 way  
coaxial  
wire

with bracket

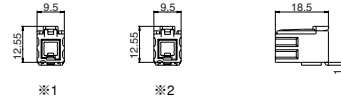


※1 M(6098-2714) ※2 M(6098-2963)

without bracket



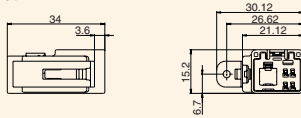
※1 M(6098-2712) ※2 M(6098-2965)



※1 F(6098-2724) ※2 F(6098-2961)

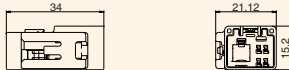
1 way coaxial  
wire + 4 way  
AV wire

with bracket



M(6098-2719)

without bracket



M(6098-2718)

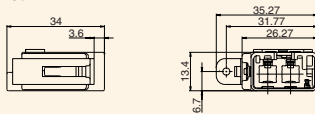


F(6098-2726)

R-04

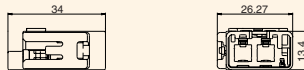
2 way coaxial  
wire + 1 way  
AV wire

with bracket



M(6098-2722)

without bracket



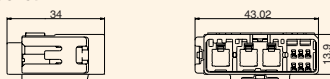
M(6098-2721)



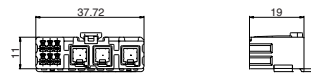
F(6098-2728)

3 way coaxial  
wire + 6 way  
AV wire

※without earthing terminal  
without bracket



M(6098-2949)



M(6098-2951)

