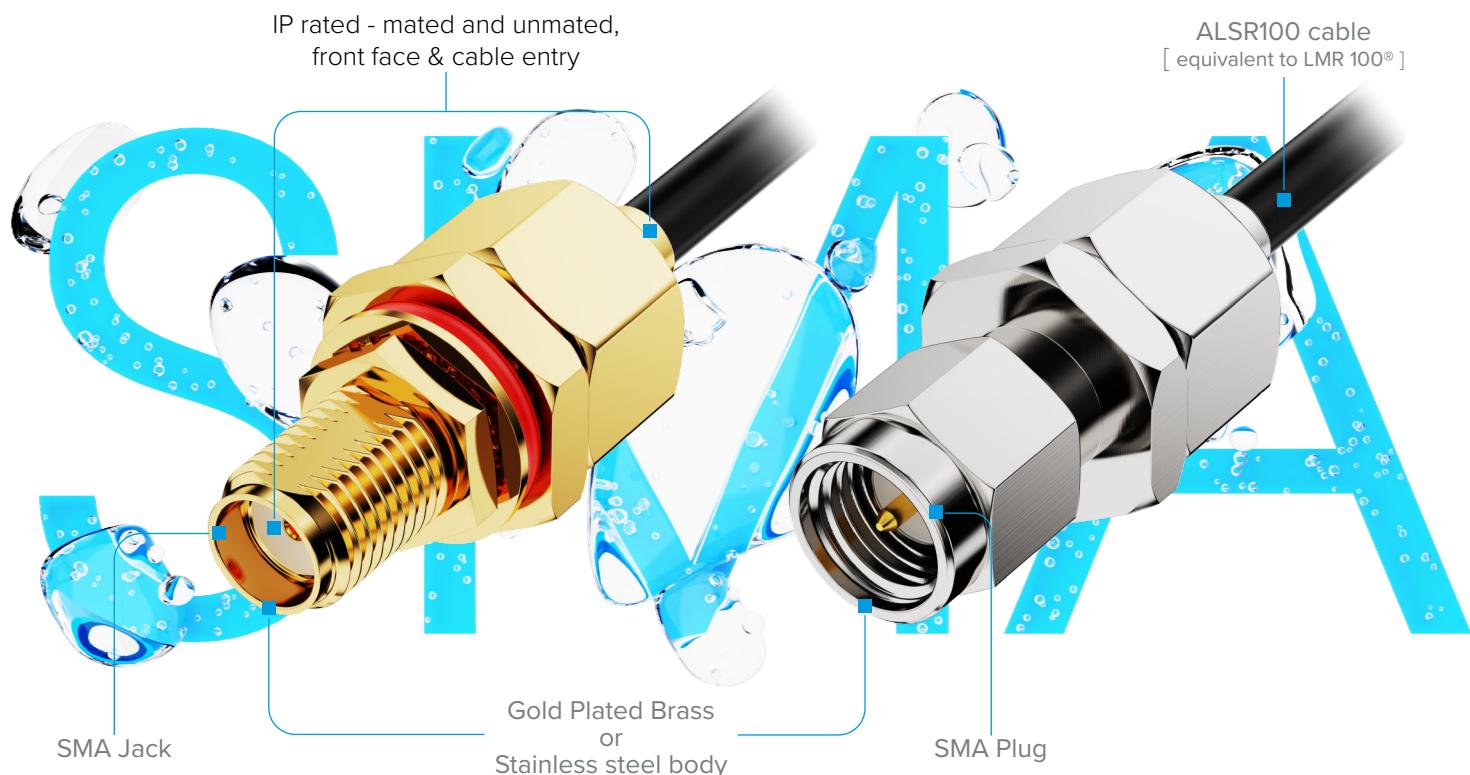


# SMA Extender Assembly — IP67, IP68 & IP69K

## key features

- IP67, IP68 & IP69K rated
- IP rated - mated and unmated, front face & cable entry
- Gold plated brass, SUS304 & SUS316 stainless steel options

The CAB606, 613, and 616 series of SMA extender cables meet IP67, IP68, and IP69K standards at the interface and cable side - mated and unmated. This patented solution allows for a reliable fit-and-forget installation, preventing liquid and dust ingress without extra protection. Offered in SMA jack-jack, jack-plug, and plug-plug configurations, these cables support frequencies from DC to 6GHz and come in different lengths for your needs. Stainless steel variants are also available for harsh environments.



## Product Specifications

Interface	Frequency	Impedance	IP Rating	Temp Range	Cable Type
SMA jack or plug	DC to 6GHz	50Ω	IP67, IP68, IP69K	-40°C to +85°C	ALSR100 - Black*

\*equivalent to LMR 100®

## Application



# ALSR-100 PE Coaxial Cable

Product Specification | Equivalent to LMR-100®



Inner Conductor	Dielectric	Outer Conductor 1	Outer Conductor 2	Jacket
<b>Material</b> Copper Clad Steel	<b>Material</b> Solid PE	<b>Material</b> Laminated Aluminum Tape	<b>Material</b> Tinned-Copper Braid (80*Φ0.10mm)	<b>Material</b> PE
<b>Size</b> 1/0.46 ± 0.02mm	<b>Size</b> 1.52 ± 0.05mm	<b>Size</b> 1.65 ± 0.10mm	<b>Size</b> 2.05 ± 0.10mm	<b>Size</b> 2.80 ± 0.10mm
<b>Color</b> Copper	<b>Color</b> Natural Color	<b>Color</b> Silver	<b>Color</b> Silver	<b>Color</b> Black

## Electrical Properties

Description	Specification
Impedance	50 ± 3 Ω
Capacitance	101 ± 5 pF/m
Velocity ratio propagation	66%
Conductor Resistance	280 Ω/km
Insulation Resistance	1000 MΩ/km
Dielectric Strength	V(DC) 500
Withstand voltage of jacket	V(AC) 2000
Maximum operating frequency	8500 MHz
VSWR Test (0~3GHz)	≤ 1.30
VSWR Test (3~6GHz)	≤ 1.40
VSWR Test (6~8.5GHz)	≤ 2.00

## Physical Properties

Description	Specification
Item	ALSR-100
Minimum Bend Radius	Loaded 28mm Unloaded 14mm
Temperature Rating	-40°C ~ +85°C

## Attenuation (Allowable tolerance±15%)

Frequency (MHz)	150	200	220	450	900	1500	1800	2000	2500	3000	4000	5000	6000	7000	8500
dB/100m	29.4	34.1	35.8	51.9	74.9	98.7	109.0	115.5	130.6	144.6	178.0	201.0	225.0	245.0	275.0

**Disclaimer:** The image shown is for illustration purposes only and may not be an exact representation of the product.