

# Low Loss Cable Assemblies [180 Series]

GigaLane's LL180 cable means *Flexible Low Loss cable*, which diameter is 0.18 inch and yields very low VSWR **up to 18GHz** and good reliability for the repeatable test environment.

## ■ LL180 Cable



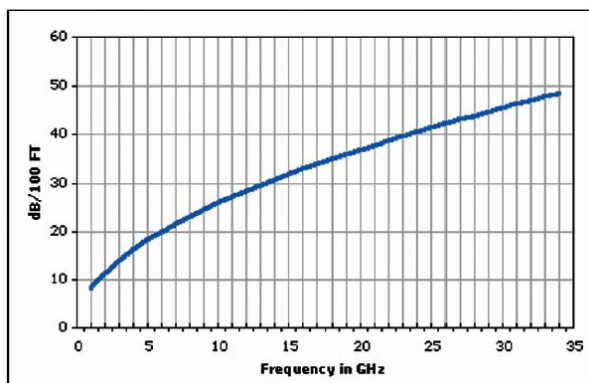
### LL180 Specification

| Parameters                 | Values     |
|----------------------------|------------|
| Cable OD (mm)              | 4.82       |
| Bend Radius (mm)           | 19         |
| Weight (g/m)               | 56         |
| <b>Max Frequency (GHz)</b> | <b>18</b>  |
| Operating Temp (°C)        | -65~135    |
| Time Delay (ns/ft)         | 1.2        |
| VP (%)                     | 84         |
| Cable OD with Armor (mm)   | 8.38       |
| <b>VSWR</b>                | <b>1.3</b> |

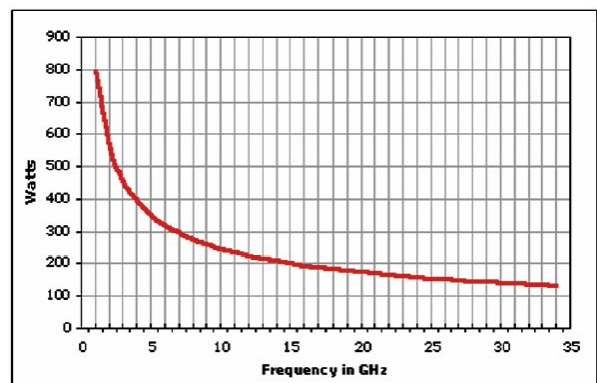
## ■ LA180 Cable (Armor Option)

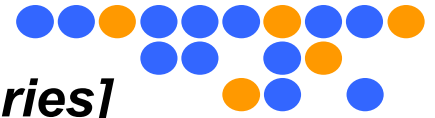


### LL180 Attenuation



### LL180 Power



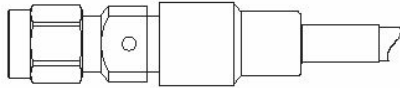


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## Available Connectors

SMA Straight Plug

Part No. SMS1



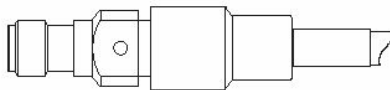
SMA Straight Plug (Armor)

Part No. SMS2



SMA Straight Jack

Part No. SFS1



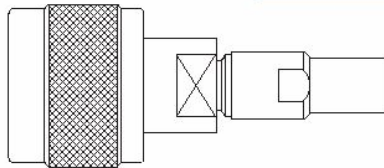
SMA Straight Jack (Armor)

Part No. SFS2



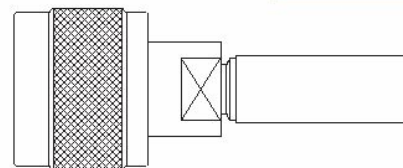
N Straight Jack

Part No. NMS1



N Straight Plug (Armor)

Part No. NMS2



## How To Order

**SMS1-LL180-SFS1-1m**

①      ②      ①      ③

### ① : Connector Select

- SMS1 : SMA + Male + Straight
- SMS2 : SMA + Male + Straight + Armor
- SFS1 : SMA + Female + Straight
- SFS2 : SMA + Female + Straight + Armor
- NMS1 : N + Male + Straight
- NMS2 : N + Male + Straight + Armor

### ② : Cable Select

- LL180
- LA180 (Armor)

### ③ : Length Select

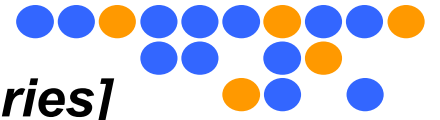
- 300mm
- 1m

### Part No. SMS1-LL180-SFS1-1m

1. SMA Male & SMA Female Connector
2. LL180 Cable
3. 1m Length

### Part No. NMS2-LA180-NMS2-2m

1. Both N-type Male Connector
2. LL180 Cable + Armor Option
3. 2m Length



# Low Loss Cable Assemblies [180 Series]

## ■ Application



Low Loss Application for Chamber, Test, Radar and so on.

## ■ Performance

