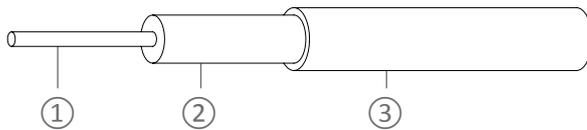


SR085 & SR141 Cable

► Features and benefits

- Frequency ranges from DC to 40 GHz
- Fits into the small systems
- Cost-efficient

► Cable Design



| Description | Diameter (mm) | | |
|-----------------------|------------------------------------|-------|------|
| | SR085 | SR141 | |
| ① Center conductor | Silver-plated copper wire | 0.51 | 0.92 |
| ② Dielectric | Solid PTFE | - | - |
| ③ 1st outer conductor | Seamless copper tubing, tin-plated | 2.2 | 3.58 |

Electrical

| | SR085 | SR141 |
|-------------------------|-----------|------------|
| Impedance | 50 Ω | 50 Ω |
| Operating frequency | 40 GHz | 30 GHz |
| Capacitance | 95 pF/m | 95 pF/m |
| Velocity of propagation | 69% nom. | 69.5% nom. |
| Time delay | 4.82 ns/m | 4.82 ns/m |
| RF leakage (dB) | -100 | -100 |

Mechanical & Environmental

| | SR085 | SR141 |
|--------------------------|------------------|----------------|
| Minimum bend radius (mm) | 3.18 | 6.35 |
| Weight (g/m) | 21 | 45 |
| Temperature | -40°C to + 125°C | -40°C to 125°C |

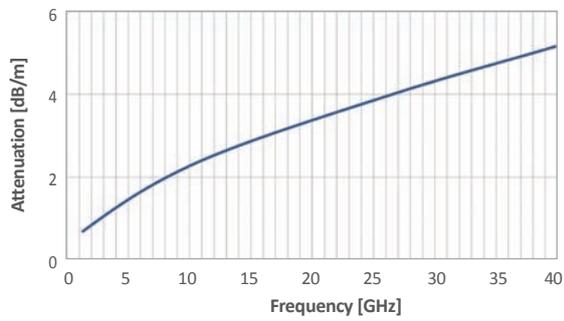
Suitable Connectors

| Cable selection | | Standard Connector selection | | | | | | Drawing Page |
|-----------------|-----------------|--|-----|----------|-----|--|-----|--------------|
| | | SMA type | | N type | | 2.92mm type | | |
| P/N | Frequency (GHz) | Straight | R/A | Straight | R/A | Straight | R/A | |
| SR085 | 18 GHz | SMS302 SFS302(Jack) SBS302(Jack, Bulkhead) | - | - | - | - | - | 86p |
| | 40 GHz | - | - | - | - | KMS301 KFS301(Jack) KBS301(Jack, Bulkhead) | - | 86p |
| SR141 | 18 GHz | SMS303 SFS303(Jack) SBS303(Jack, Bulkhead) | - | - | - | - | - | 86p |
| | 30 GHz | - | - | - | - | KMS303 KFS303(Jack) KBS303(Jack, Bulkhead) | - | 86p |

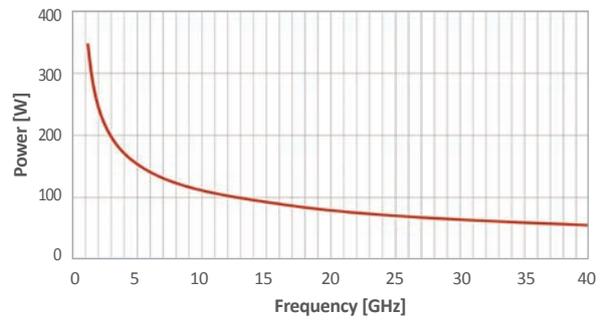
SR085 & SR141 Cable

► Attenuation & Power

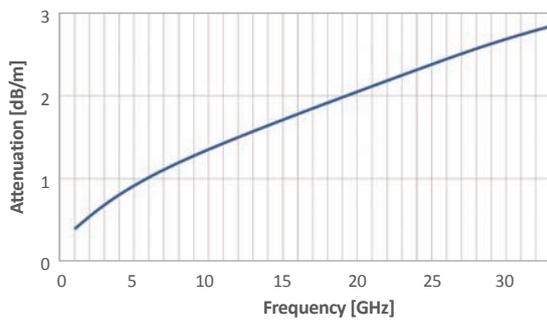
• SR085 Attenuation



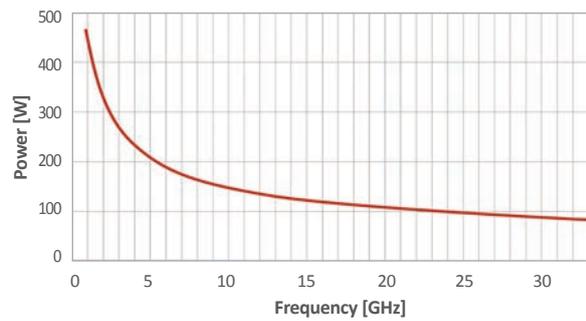
• SR085 Power



• SR141 Attenuation



• SR141 Power



► Test Result

