

# Obend-450

High Performance Microwave Coax Cable

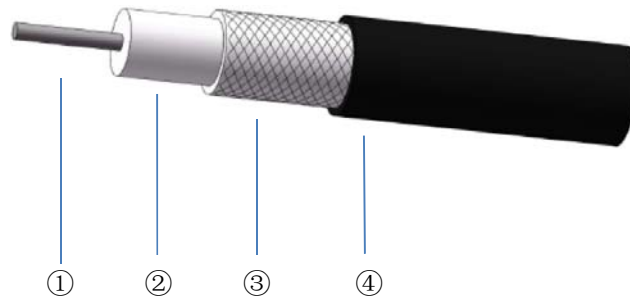
## Product Description

Superlink Obend series is a kind of semi-flexible low loss cable. Frequency up to 18 GHz. The cable can be re-formed by hand without the need for any specialist tools. It is widely used in distributed antenna system, base station, measurement instruments.

## Feature & Benefit

- Semi-flex Cable
- 70%VP
- Economy

## Product Structure

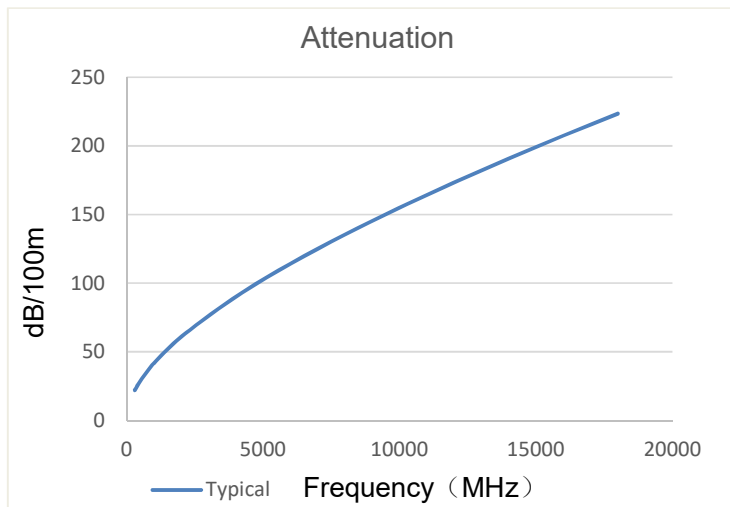


	①Center Conductor	②Dielectric	③Outer Conductor	④Jacket
Material	SPC	Solid PTFE	SPC	PUR
Size (mm)	0.94±0.01	2.55±0.05	3.05±0.1	4.50±0.15

## Specifications

Impedance	50Ω
Operation Frequency	18GHz
Velocity of Propagation	70%
Shielding Effectiveness	90dB
Voltage Withstand	3600V,DC
Capactiance	98pF/m
Weight	50g/m
Temp, Operating&Installation	-40~85°C
Temp,Storage	-40~85°C

## Attenuation (Typical@25°C VSWR=1.0)



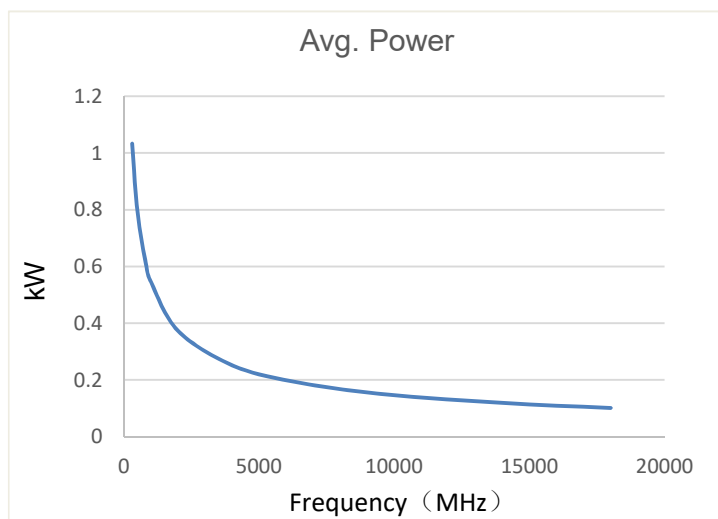
Frequency(MHz)	Attenuation (dB/100m)
300	22.0
500	28.8
800	36.9
1000	41.7
2000	60.9
4000	90.1
6000	114.1
8000	135.4
10000	155.0
12000	173.3
14000	190.8
16000	207.5
18000	223.5

$$K1= 1.210000$$

$$K2= 0.003400$$

$$\text{Attenuation}=K1* \sqrt{F}+K2*F$$

## Power (40°C VSWR=1.0 Sea Level)



Frequency(MHz)	Avg.Power (kW)
300	1.033
500	0.789
800	0.615
1000	0.545
2000	0.373
4000	0.252
6000	0.199
8000	0.168
10000	0.146
12000	0.131
14000	0.119
16000	0.109
18000	0.102

Ver A-1