

## 50625

50625 Seamless Aluminum Tube Cable,Black PE Jacket.



### Material Specification

Inner Conductor	Bare copper	5.54±0.05 mm
Dielectric	Foam Polyethylene	14.30±0.10 mm
Outer Conductor	Extruded Aluminum Tube	15.88±0.10 mm
Jacket	PE	17.40±0.30 mm
Outer Conductor Thickness, nom	—	0.76mm
Jacket Thickness ,min	—	0.53 mm

### Electrical Specification

Characteristic Impedance	50±2 Ω	
Velocity of Propagation	87%	
Capacitance	75.8 PF/m	
Jacket Spark Test Voltage	5 KV	
Operating Frequency Band	5-3000 MHz	
DC Resistance, Inner Conductor, max	0.72 Ω/km	0.22 Ω/kft
DC Resistance,Out conductor, max	0.82 Ω/km	0.25 Ω/kft
DC Resistance,Loop , max	1.54 Ω/km	0.47 Ω/kft
SRL min	5-1002 MHz	30 dB
	1002-1218 MHz	24 dB
	1218-1794 MHz	20 dB
	1794-2250 MHz	20 dB
	2250-3000 MHz	20 dB

### Mechanical Specifications

Bending Radius ,min.	178 mm
Pulling Tension, max	396 kg
Jacket Tensile,min	10.3 MPa
Jacket Elongation,min	400%

### Environmental Specifications

Installation Temperature	-55°C~+85°C
Operating Temperature	-40°C~+60°C
Storage Temperature	-55°C~+85°C
RoHS 2011/65/EU	Compliant

### Attenuation @ 20°C max

Frequency, MHz	dB/100ft	dB/100m	Frequency, MHz	dB/100ft	dB/100m
5	0.13	0.43	750	1.79	5.87
55	0.46	1.51	870	1.95	6.40
211	0.92	3.02	1002	2.11	6.92
250	1.00	3.28	1218	2.32	7.62
270	1.04	3.41	1500	2.66	8.74
300	1.08	3.54	1794	2.96	9.70
330	1.16	3.80	1800	2.97	9.72
350	1.19	3.90	2000	3.15	10.34
400	1.28	4.20	2200	3.34	10.95
450	1.35	4.43	2500	3.6	11.81
500	1.43	4.69	2700	3.77	12.37
550	1.51	4.95	3000	4.02	13.19
600	1.58	5.18			