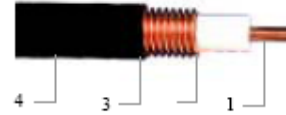


3/8" S Superflexible physical foamed insulation coaxial cable

50 ohms corrugated copper tube series coaxial cable

RF 50 3/8" S



1: Inner Conductor 2: Insulation

3: Outer conductor 4: Jacket

Construction		
Inner Conductor	Material	Copper clad Al. wire
	Dia. ,mm	2.80
Insulation	Material	Physically foamed PE
	Dia. ,mm	7.00
Outer conductor	Material	Helically corrugated copper
	Dia. ,mm	9.52
Jacket	Material	LLDPE or fire retardant PE
	Dia. ,mm	10.80
Weight, kg/km		120
Mechanical properties		
Bending radius , mm	Single	25
	Repeated	50
	Moving	-
Pulling strength, N		950
Crush resistance, kg/mm		1.8
Recommended temperature , °C	Store	-70°C ~ +85°C
	Installation	-40°C ~ +60°C
	Operation	-55°C ~ +85°C
Electrical properties		
DC Resistance Ω /km	In. cond.	4.23
	Out. Cond.	4.99
Impedance, Ω		50 ± 1
Capacitance, pF/m		79.7
Propagation velocity, %		83
DC breakdown voltage, KV		2.3
Insulation voltage, MΩ Km		>5 × 10 ³
Peak power, kW		13.2
Screening attenuation, dB		>>120
Cut-off frequency, GHz		13.4

Attenuation and average power

Frequency MHZ	Nom.attenuation @20°C, dB/100m	Power rate @20°C ,KW
10	1.22	6.92
100	3.94	2.14
200	5.65	1.49
450	8.66	0.975
800	11.80	0.715
900	12.50	0.673
1000	13.30	0.634
1500	16.70	0.507
1800	18.50	0.457
2000	19.60	0.431
2300	21.20	0.398
3000	24.70	0.342

- Maximum attenuation value shall be 105% of the nominal attenuation value

VSWR

820~960MHz	≤ 1.10
1700~1900MHz	≤ 1.10
5~3000MHz	≤ 1.15

Note:

- For fire retardant jacket, recommended temperatures are:

Store temperature	-30°C ~ +80°C
Installation temperature	-25°C ~ +60°C
Operation temperature	-30°C ~ +80°C