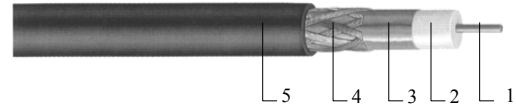


Top Signal RF 240 Cable – PRODUCT No: TS320000

Construction		
Inner conductor	Material	Bare copper wire
	Dia. , mm	1.42±0.02
Insulation	Material	Physically foamed PE
	Dia., mm	3.81±0.20
Outer conductor	First shield	Bonded AL/PET/AL Tape (Diameter:3.94mm)
	Second shield	Tinned annealed copper wire
	Construction	16×7/Φ0.16 , ρ≥90%
	Diameter	4.52
Jacket	Material	FR PVC or PE
	Thickness,m m	0.80
	Dia., mm	6.10±0.20
Mechanical properties		
Bending radius, mm	Single	19.1
	Repeated Moving	63.5
Tensile strength, kg		36.3
Crush resistance, kg/mm		0.36
Recommended temperature, °C	Store	-70°C~+85°C
	Installation	-40°C~+85°C
	Operation	-40°C~+85°C
Electrical properties		
DC. Resistance, Ω /km	In. cond.	10.5
	Out. cond.	12.8
Impedance, Ω		50
Capacitance, pF/m		79.4
Propagation velocity, %		84
DC breakdown voltage, kV		1.5
Peak power, kW		5.6
Screening effectiveness, dB		>90
Cut-off frequency, GHz		31



1、 Inner conductor 2、 Insulation 3、 1st shield
4、 2nd shield 5、 Jacket

Attenuation and average power		
Frequency ,MHz	Nom.attenuation @20°C,dB/100m	Power rate @20°C,kW
30	4.4	1.49
50	5.7	1.15
150	9.9	0.66
220	12.0	0.54
450	17.3	0.38
900	24.8	0.26
1500	32.4	0.20
1800	35.6	0.18
2000	37.7	0.17
2500	42.4	0.15
5800	66.8	0.10
● Maximum attenuation value will be 105% of the nominal attenuation value.		
Return loss		
820-960MHz	>20dB	
1700-2200MHz	>20dB	
Environment requirements		
Comply with the RoHS Directive 2011/65/EU and its Subsequent amendments.		
