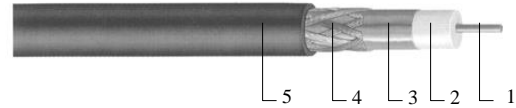


Top Signal TS-400 Cable - PRODUCT No: TS340000

Construction		
Inner conductor	Material	Copper clad aluminum wire
	Dia., mm	2.74±0.025
Insulation	Material	Physically foamed PE
	Dia., mm	7.24±0.20
Outer conductor	1 st shield	Bonded Al/PET/Al Tape (Diameter: 7.39mm)
	2 nd shield	Tinned annealed copper wire braid Construction: 24×7 / Φ0.16 / 35 Coverage: ≥90% Diameter: 8.13mm
Jacket	Material	PE
	Thickness, mm	1.06
	Dia., mm	10.29±0.20
Mechanical properties		
Bending radius, mm	Single	25.4
	Repeated Moving	101.6 —
Tensile strength, kg		72.6
Crush resistance, kg/mm		0.71
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.	4.6
	Out. cond.	5.4
Impedance, Ω		50
Capacitance, pF/m		78.4
Inductance, μH/m		0.20
Propagation velocity, %		85
DC breakdown voltage, kV		2.5
Peak power, kW		16
Screening effectiveness, dB		>90
Cut-off frequency, GHz		16.2



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

Attenuation and average power		
Frequency MHz	Nom. attenuation @25°C, dB/100m	Power rate @25°C, kW
30	2.2	3.33
50	2.9	2.57
150	5.0	1.47
220	6.1	1.20
450	8.9	0.83
900	12.8	0.58
1500	16.8	0.44
1800	18.6	0.40
2000	19.6	0.37
2500	22.2	0.33
5800	35.5	0.21

• Maximum attenuation value will be 105% of the nominal attenuation value.

Return loss	
820–960MHz	>20dB
1700–2200MHz	>20dB

Environment requirements	
Complies with the RoHS Directive 2011/65/EU and its subsequent amendments.	

