

FH540M CATV Hard Line



OBJECT	Coaxial Cable		
GRADE	FH540M		
ITEMS	UNIT	LIMITS	
Centre conductor	Material	Copper clad Aluminum	
	Diameter	3.15±0.03mm	
Dielectric	Material	Foamed PE	
	Diameter	13.056±0.10mm	
Outer Conductor	Material	Aluminum tube (welded)	
	thickness	0.343±0.02mm	
	Diameter	13.716±0.05mm	
Messenger	Steel Wire	2.769±0.05mm	
	Breaking Strength, Minimum	816kg	
Jacket	Material	PE black	
	Diameter	15.494±0.20mm	
	Average Thickness of Jacket	0.89 ± 0.1mm	
	Tensile strength of the sheath	≥8.27MPa	
	Elongation of the sheath	≥400 %	
Attenuation (20℃)	Frequency	Maximum (dB/100ft)	Maximum (dB/100m)
	5MHz	0.14	0.46
	55MHz	0.47	1.54
	83MHz	0.58	1.90
	85MHz	0.59	1.94
	204MHz	0.93	3.05
	211MHz	0.95	3.12
	250MHz	1.03	3.38
	300MHz	1.14	3.74
	350MHz	1.23	4.04
	400MHz	1.33	4.36
	450MHz	1.41	4.63

	500MHz	1.5	4.92
	550MHz	1.58	5.18
	600MHz	1.66	5.44
	750MHz	1.86	6.1
	865MHz	2.00	6.56
	1000MHz	2.17	7.12
	1002MHz	2.17	7.12
	1218MHz	2.41	7.89
Characteristic Impedance	Ω	75±2	
Return loss 5-1002MHz	dB	≥30	
Return loss 1002-1218MHz	dB	≥24	
Velocity of propagation	%	87	
Capacitance 20℃	PF/m	50.2±3	
Jacket Spark Test Voltage	V AC	5000	
DC resistance of Inner conductor 20℃	Ohms/ km	≤3.48	
DC resistance of outer conductor 20℃	Ohms/km	≤1.97	
Loop resistance 20℃	Ohms/km	≤5.45	
Pulling Tension, maximum	Kg	100	
Cable Length	M/Reel	1219±2% or Customized as request	
Minimum Bend Radius	mm	101.6	
Remark: The cable is compliant to RoHS 2011/65/EU and ISO 9001:2015. This specification reference standards are as below: ANI/SCTE 15-2019、GR-1398-CORE and GR-1399-CORE。			