

Model		AVA6-50	FXL-1480	FXL-1873	AVA7-50
Nominal Diameter	(in)	1-1/4	1-1/4	1-5/8	1-5/8
Type		Standard	Flexível	Flexível	Flexible
Dielectric		Foam	Foam	Foam	Foam
Impedance	(ohms)	50 ± 1	50 ± 1	50 ± 1	50 ± 1
Maximum Frequency	(GHz)	3,7	3,3	2,5	2,5
Velocity	(%)	92	89	88	92
Peak Power Rating	(kW)	180	205	315	302
DC Resistance					
Inner Conductor	(ohms/1000m)	1,74	1,48	1,21	1,35
Outer Conductor	(ohms/1000m)	0,75	0,49	0,56	0,52
DC Breakdown	(Vdc)	8500	9000	9000	11000
Jacket Spark	(Vrms)	10000	10000	10000	10000
Capacitance	(pF/m)	72,0	75,1	75,4	72,18
Inductance	(µH/m)	0,187	0,19	0,194	0,19
Attenuation @ 894MHz	(dB/100m)	2,67	2,547	2,084	2,11
Attenuation @ 1800MHz	(dB/100m)	3,96	3,771	3,143	3,15
Outer Conductor					
		Copper	Aluminum	Aluminum	Copper
Inner Conductor					
		Copper Tube	Copper Tube	Copper Tube	Copper Tube
Diameter over Jacket	(mm)	39,6	39,878	50,292	50,3
Diameter over Outer Conductor	(mm)	36,1	37,60	47,60	46,36
Diameter Inner Conductor	(mm)	14,0	14,10	18	18,16
Minimum Bending Radius	(mm)	203,2	203,20	444,50	381
Number of Bends, minimum (typical)		40			50
Bending Moment	(N.m)	29,8	102	149,1	47,45
Weight	(kg/m)	0,68	0,67	1	1,07
Tensile Strength	(kg)	154	590	680	181
Flat Plate Crush Strength	(kg/mm)	1,3	3,6	3,9	1,6
CommScope / RF COM Part # (cable)		AVA6-50 / 51679	FXL-1480/56266	FXL-1873 / 56267	AVA7-50 / 31995
CommScope / RF COM Part # (connector)					
N M Straight		114EZNM / 52010	114EZNM / 52010	158EZNM / 56280	AL7NM-PSA/36579
N F Straight		114EZNF / 52009	114EZNF / 52009	158EZNF / 56281	AL7NF-PSA/36693
Flange EIA 1-5/8"					AL7E158-PS / 38111
Flange EIA 7/8"					AL7E78-PS / 47943
DIN 7/16 M Straight		AL6DM-PSA / 52107	114EZDM / 56279	158EZDM / 56282	AL7DM-PSA/36570
DIN 7/16 F Straight		AL6DF-PSA / 51680	114EZDF / 56278	158EZDF / 56283	AL7DF-PSA/34107
N M Straight		114EZNM / 52010	114EZNM / 52010	158EZNM / 56280	AL7NM-PSA/36579

RF COM can supply assembled cables/jumpers in any length or connector combination  
For other CommScope cables and connectors, please contact us.



**Important:** For corrugated tube outer conductor cables always use connectors from the same manufacturer of the cable specifically designed for the cable type, to ensure compatibility.

