

**Coaxial cables with PTFE insulation:  
312-PTFE50-D / 312-PTFE50-S**

For applications, where PTFE is acceptable, Allectra offers two versions of High Quality PTFE insulated cables. The thicker 312-PTFE50-D has lower damping than the more flexible 312-PTFE50-S.

	<b>312-PTFE50-D</b>	<b>312-PTFE50-S</b>
Outer Diameter	2.9mm	1.8mm
Inner Conductor	0.53mm $\varnothing$ (7x0.175mm), Silver plated	0.3mm $\varnothing$ (7x0.1mm), Silver plated
Dielectric	PTFE	PTFE
Shielding coverage	95% Silver plated Copper (double shielded)	95% Silver plated Copper
Outer insulation	FEP	FEP
Bending radius	13mm static, 25mm dynamic <sup>1)</sup>	10mm static, 20mm dynamic <sup>1)</sup>
Temp. range	-200 ... 200°C <sup>2)</sup>	-200...200°C <sup>2)</sup>
Impedance	50 Ohm	50 Ohm
Capacitance	96 pF/m	97 pF/m
Resistivity	275 Ohm/km	
Test Voltage (conductor -shield)	2KV eff	2KV eff
Damping 100 MHz	37db/100m	47db/100m
Damping 400 MHz	55db/100m	98db/100m
Damping 1 GHz	102db/100m	164db/100m

1): Dynamic bend for 50 bends specified

2): do not move cable below -60°C

Allectra offers ready made cables with these cable types. Available connectors are

for 312-PTFE50-D:      BNC                      SHV                      MHV                      N

for 312-PTFE50-S:      BNC                      SMA