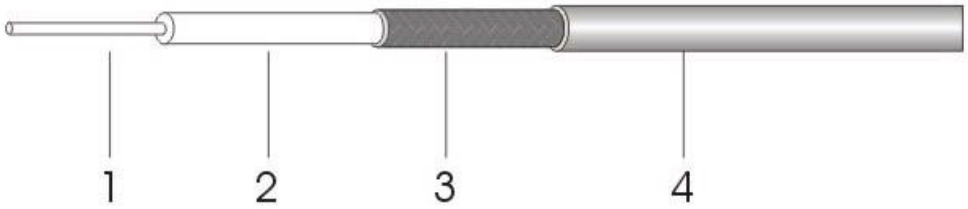
弘讯电子 HONGXUN ELECTRONICS

Semi-Flexible Series Coaxial Cable

Customer: _____ **Topsignal Type:** 670-047/12.5SXE

Customer P/N: _____ **Specification No.:** SF047/12.5FEP-001



Construction Specificatioion / 结构尺寸

Item/项目	Material/材料	Diameter/直径(mm)
1 . Inner conductor/内导体	Silver plated copper/镀银铜线	0.72±0.02
2 . Dielectric/绝缘	PTFE/聚四氟乙烯	0.94±0.05
3 . Outer conductor/外导体	Tin soaked copper braid/浸锡铜线编织	1.19±0.10
4 . Jacket/护套	FEP/聚全氟乙丙烯	1.65±0.10

Electrical Characteristics/电气性能

Capacitance/电容(pF/m)	Nom. 395
Impedance/阻抗(ohm)	12.5
Velocity/速率(%)	70
Max. operating voltage/最大工作电压(kVrms)	0.5
Min. screening efficiency/屏蔽衰减（dB）	100

Mechanical and Environmental Characteristics/机械和环境性能

Operating temp./工作温度(℃)	-55 to 125
Min. bending radius static/最小弯曲半径，单次(mm)	8
Min. bending radius repeated /最小弯曲半径，重复(mm)	20
RoHS/RoHS环保	Compliant/符合

Attenuation @ 20℃ and Sea Level,Power/海平面 20℃衰减，功率

Frequency(GHz)	Attenuation(dB/m)	Average Power(W)
0.5	0.79	62.2
1.0	1.12	43.7
5.0	2.58	19.1