

SYWV-75-2-1-16

高性能低损耗射频电缆

Ver A/0 发布日期

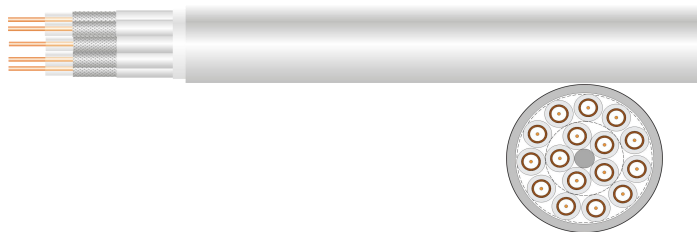
2015年3月



P/N:5391W

产品特点

- 80%Vp FPE介质+铜包铝铜丝编织
- 超低损耗
- 等同于
- 可替换



结构尺寸

	结构	尺寸 (mm)	公差	材料
1	中心导体	0.254	±0.01	软铜线
2	电介质	1.15	±0.10	发泡PE
3	外导体	1.60	±0.05	铜包铝丝编织
4	外护套 (印子线缆编号)	2.10	±0.10	PVC浅灰色(符合Rohs2.0)
5	外编织	9.50	±0.20	网状编织(填充:1.50MM PP填充绳置中 5+11=16) + PET膜)
6	外护套	11.50	±0.30	PVC浅灰色(符合Rohs2.0)

机械与环境性能

弯曲半径, 最小安装(mm)
弯曲半径, 重复弯曲(mm)
最大拉伸强度(N)
重量(g/m)
温度范围, 安装与使用(°C)
电力抗破碎性(700N)(%)

5.5
21
44
N/A
-20~+70
N/A

有毒有害物质含量

镉及其化合物 (Cd)	< 0.01%
铅及其化合物 (Pb)	< 0.1%
汞及其化合物 (Hg)	< 0.1%
六价铬及其化合物	< 0.1%
多溴联苯(PBB)	< 0.1%
多溴二苯醚(PBDE)	< 0.1%

电气性能

特性阻抗(ohm)	75±3	绝缘介电强度(V DC)	3500
静电容(pF/m)	55	绝缘电阻(MΩ · km)	> 500
传输速率(%)	80	额定功率(KW)	0.03
内直流电阻(ohm/km)	< 376	屏蔽性能(dB)	> 30
外直流电阻(ohm/km)	< 110	编织密度(%)	85±3
护套火花电压(V RMS)	N/A	驻波比 30-6000 MHz	N/A

衰减值 (典型值@25°C&VSWR=1.0) 与传输功率值 (典型值@40°C&一个标准大气压下)

频率 MHz	5	10	50	100	200	300	400	500
dB/100 m	8.80	12.50	28.00	39.00	56.00	69.00	80.00	90.00

衰减最大高出10%

Defined by: Luke

Prepared by: Eric

Approved by: K.F. Lu

Rev: A/0

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SYWV-75-2-1-16

Ultra Low Loss Coax Cable

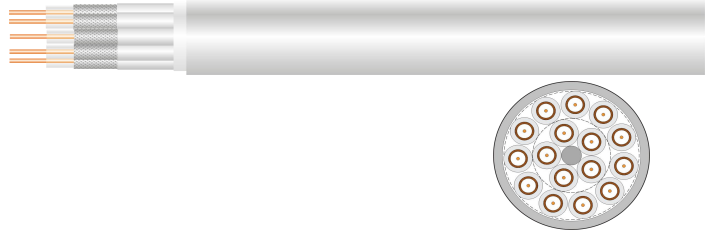
Ver A/0 Release Date Match, 2015



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Features&Benefits

- 80%Vp FPE+CCA shield
- Ultra-low loss
- Equivalent to
- Replace to



Construction Specification

	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.254	±0.01	Solid Bare Copper Wire
2	Dielectric	1.15	±0.10	Foam PE
3	Outer conductor	1.60	±0.05	Copper Clad Aluminum
4	Jacket Print Cable Number	2.10	±0.10	PVC Light Gray(Rohs2.0)
5	Outer Braiding	9.50	±0.20	Ripcord(Padding 1.50 mm PP wire in the middle 5 + 11 = 16) + PET tape
6	Jacket	11.50	±0.30	PVC Light Gray(Rohs2.0)

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	5.5
Bend Radius:repeated (mm)	21
Max.Pulling Tension (N)	44
Weight (g/m)	N/A
Temp, Operating&Installation (°C)	-20~+70
Crush resistance of cable (load of 700N)(%)	N/A

RoHS Guideline

Cadmium content (Cd)	<0.01%
Lead content (Pb)	<0.1%
Mercury content (Hg)	<0.1%
Chromium (VI) content	<0.1%
Polybrominated Biphenyls (PBB)	<0.1%
Polybrominated Diphenyl Ether (PBDE)	<0.1%

Electrical Specifications

Characteristic Impedance(ohm)	75±3	Dielectric Strength(V DC)	3500
Capacitance(pF/m)	55	Insulation resistance(MΩ·km)	>500
Velocity ratio(%)	80	Peak Power(KW)	0.03
DCR: Inner Conductor(ohm/km)	<376	Shielding Effectiveness(dB)	>30
DCR: Outer Conductor(ohm/km)	<110	Shields Coverage(%)	85±3
Jacket Sparker(V RMS)	N/A	SWR 30-6000 MHz	N/A

Attenuation (Typical@25°C&VSWR=1.0) &Power (VSWR=1.0;40°C;Sea Level)

Frequency MHz	5	10	50	100	200	300	400	500
dB/100 m	8.80	12.50	28.00	39.00	56.00	69.00	80.00	90.00

Maximum attenuation is 10% higher.

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