

# 实芯聚乙烯绝缘柔软射频电缆

## Solid-polyethene insulated flexible radio-frequency cables

适用于无线电通讯广播设备和有关无线电电子设备中传输射频信号。

It is used to transmit radio frequency signal for radio communication broadcasting equipments and concerned electric devices.

### 一、生产执行标准

GB/T14864-2013.

### Executive standard

GB/T14864-2013.

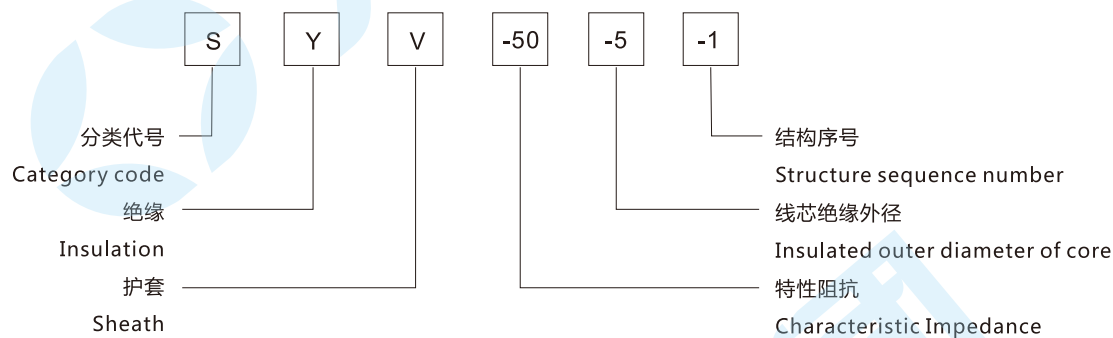
### 二、型号编制及字母代号含义

射频同轴电缆..... S  
铜导体.....T(可省略)  
聚乙烯绝缘..... Y  
聚氯乙烯护套..... V

### Type Compiling and Code Meaning

RF coaxial cable.....S  
Copper conductor .....T (omitted)  
PE solid insulation.....Y  
PVC sheath.....V

型号组成表示方法 ITEM NO-forming Method



### 三、使用条件

使用温度：-30°C~70°C。

安装敷设温度不低于-15°C。

允许最小弯曲半径：室内使用时不少于5倍电缆外径，室外使用不小于10倍电缆外径。

### Working Condition

Working temperature: -30°C~70°C

Installation is not lower than -15°C.

Min.bending radius: it will be no less than 5 times that of cable outer diameter for indoor usage, and no less than 10 times for outdoor usage.

### 四、型号及名称

### Type and Description

型号 Type	名称 Description
SYV	实芯聚乙烯绝缘柔软射频电缆 Solid-polyethene insulated flexible radio-frequency cables

## 五、结构尺寸

## Speciation and Size

型号规格 Type	内导体 mm Inner conductor	绝缘外径 mm Insulation outer diameter	外导体直径 mm Diameter of outer conductor			护套外径 mm Sheath OD	绝缘电阻 M $\Omega$ .km Insulated resistance	200MHz下 衰减dB/m Attenuation under 200MHz
	根数/直径* Pieces/diameter*		内层 Inner layer	外层 Outer layer	单线直径 Diameter of single piece			
SYV-50-2-1	7/0.16	1.50±0.10	软铜线 Soft copper wire	/	0.10±0.01	2.8±0.2	≥5000	≤0.45
SYV-50-2-7	7/0.16	1.50±0.10		/	0.10±0.01	2.8±0.2		≤0.45
SYV-50-2-8	7/0.16	1.50±0.10		/	0.10±0.01	2.8±0.2		≤0.45
SYV-50-2-41	1/0.68	2.20±0.10		/	0.14±0.01	4.0±0.2		≤0.31
SYV-50-3-1	7/0.32	2.95±0.13		/	0.14±0.01	5.0±0.2		≤0.24
SYV-50-3-3	1/0.90	2.95±0.13		/	0.14±0.01	5.0±0.2		≤0.22
SYV-50-3-4	1/0.90	2.95±0.13		/	0.14±0.01	5.0±0.2		≤0.22
SYV-50-3-5	1/0.90	2.95±0.13		软铜线 Soft copper wire	0.14±0.01	5.8±0.2		≤0.22
SYV-50-3-41	1/0.90	2.95±0.13		软铜线 Soft copper wire	0.14±0.01	5.8±0.2		≤0.22
SYV-50-5-1	1/1.40	4.80±0.20		/	0.14±0.01	7.2±0.3		≤0.15
SYV-50-5-3	1/1.40	4.80±0.20		/	0.14±0.01	7.2±0.3		≤0.15
SYV-50-5-4	1/1.40	4.80±0.20		软铜线 Soft copper wire	0.14±0.01	7.9±0.3		≤0.15
SYV-50-5-41	1/1.40	4.80±0.20		软铜线 Soft copper wire	0.14±0.01	7.9±0.3		≤0.15
SYV-50-7-1	7/0.75	7.25±0.25		/	0.19±0.01	10.3±0.3		≤0.11
SYV-50-7-2	7/0.75	7.25±0.25	/	0.19±0.01	10.3±0.3	≤0.11		
SYV-50-7-3	7/0.75	7.25±0.25	软铜线 Soft copper wire	0.17±0.01	11.0±0.3	≤0.11		
SYV-50-7-4	7/0.75	7.25±0.15	软铜线 Soft copper wire	/	0.19±0.01	10.3±0.3	≥5000	≤0.62**
SYV-50-7-6	7/0.75	7.25±0.15		软铜线 Soft copper wire	0.17±0.01	11.0±0.3		≤0.62**
SYV-50-7-41	7/0.75	7.25±0.25		软铜线 Soft copper wire	0.17±0.01	11.0±0.3		≤0.11
SYV-50-9-41	7/0.95	9.0±0.30		/	0.19±0.01	12.2±0.4		≤0.095

注：SYV-50-的特性阻抗为 $50\pm 2.5\Omega$ ，电容不大于 $115\text{pF/m.}$ 。

Note: characteristic impedance of SYV-50- is  $50\pm 2.5\Omega$ . Capacitance is no more than  $115\text{pF/m.}$

型号规格 Type	内导体mm Inner conductor	绝缘外径mm Insulation OD	外导体直径mm Diameter of outer conductor			护套外径 mm Sheath OD	绝缘电阻 M $\Omega$ .km Insulated resistance	200MHz下 衰减dB/m Attenuation under 200MHz
	根数/直径* Pieces/diameter		内层 inner layer	外层 outer layer	单线直径 Diameter of single piece			
SYV-75-3-41	7/0.17	3.00±0.13	软铜线Soft copper wire	/	0.14±0.01	5.0±0.25	≥5000	0.28
SYV-75-4-1	7/0.21	3.70±0.13		/	0.14±0.01	6.0±0.2		0.22
SYV-75-4-2	7/0.21	3.70±0.10		软铜线 Soft copper wire	0.14±0.01	6.7±0.2		0.95**
SYV-75-4-3	1/0.59	3.70±0.13		/	0.14±0.01	6.0±0.2		0.19
SYV-75-4-4	1/0.59	3.70±0.13		/	0.14±0.01	6.0±0.2		0.19
SYV-75-5-4	1/0.75	4.80±0.20		/	0.14±0.01	7.2±0.3		0.15
SYV-75-5-5	1/0.75	4.80±0.20		软铜线 Soft copper wire	0.14±0.01	7.9±0.3		0.15
SYV-75-5-41	1/0.75	4.80±0.20		/	0.14±0.01	7.2±0.3		0.15
SYV-75-5-42	1/0.75	4.80±0.20		软铜线 Soft copper wire	0.14±0.01	7.9±0.3		0.15
SYV-75-7-1	7/0.40	7.25±0.25		/	0.19±0.01	10.3±0.3		0.12
SYV-75-7-2	7/0.40	7.25±0.25		/	0.19±0.01	10.3±0.3		0.12
SYV-75-7-3	7/0.40	7.25±0.15		软铜线 Soft copper wire	0.17±0.01	11.0±0.3		0.60
SYV-75-7-4	1/1.15	7.25±0.15		/	0.19±0.01	10.3±0.3		0.52
SYV-75-7-8	1/1.15	7.25±0.25		/	0.19±0.01	10.3±0.3		0.10
SYV-75-7-41	7/0.40	7.25±0.25		软铜线 Soft copper wire	0.17±0.01	11.0±0.3		0.12

注：SYV-75- 的特性阻抗为75±3 $\Omega$ ，电容不大于76pF/m。

\* 表示单线直径为近似值。

\*\* 表示频率为3000 MHz下的衰减值。

Note: Characteristic impedance of SYV-75- is 75±3 $\Omega$ . Capacitance is no more than 76 pF/m.

\*: approximate value of diameter of single wire

\*\*: attenuation value under 3000 MHz

## 六、交货要求

- 1、允许成圈长度为100米交货，成盘长度应不小于100米，长度误差为±0.5%；
- 2、根据双方协议允许任何长度交货。

## Delivery Requirement

- 1.Cable length in coil is 100 meters. Cable length on drum is no less than 100 meters with length error of ±0.5%.
- 2.Allow any length of delivery according to the agreement between the two parties.