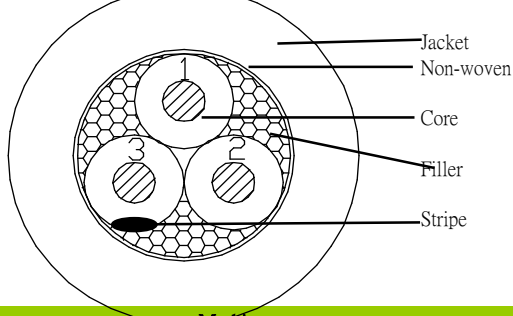


# SJT POWER CABLE

## Cross Section



## Marking

E166193-C (UL) TYPE SJT 3/C 16AWG 105°C 300V  
 VW-1 - - -C(UL) TYPE SJT 3/C 1.31mm<sup>2</sup>(16AWG) 105°C  
 300V FT1 **LTK**

## Description

Rated Voltage (V)	300
Rated Temperature(°C)	105

## Application

For portable hand tools, washing machines, medical equipment and office machines etc.

## Reference Standard

UL 62&Per request

## Construction

<b>Conductor</b>	<b>Stranded Tinned Copper</b>
<b>3 Cores</b>	
AWG	16
Construction (mm)	54/0.18
Stranded Dia. (mm)	1.52
<b>Insulation</b>	<b>PVC</b>
Min. Thickness (mm)	0.67
Nom. Thickness (mm)	0.84
Insulation Dia. (±0.12mm)	3.2
<b>Cabling</b>	
Construction	3C+Filler
Direction	S
<b>Non-woven tape(overlapping,%)</b>	<b>&gt;=25</b>
<b>Jacket</b>	<b>PVC</b>
Min. Thickness (mm)	0.86
Nom. Thickness (mm)	0.95
Outer Dia. (±0.30mm)	9.0

## Color

<b>Insulation</b>	1.Blue 2.Brown 3.Yellow/Green
<b>Jacket</b>	Per request

Ref. spec No. : SK-D-3077 Rev.:0

## Revision History

## Performance

### Electrical Characteristics (20°C)

Max. Conductor DC Resistance (ohms/km)	14.3
Min. Insulation DC Resistance (Mohms.km)	2.5
Dielectric Strength AC (KV/1min)	2.0+0.2/-0(in water)

### Mechanical Characteristics

Test Object	Insulation	Jacket
Test Material	PVC	PVC
Before Tensile Strength (MPa)	>=10.3	>=10.3
Aging Elongation (%)	>=100	>=100
Aging Condition	136±2°C X 168 hrs	
After Tensile Strength (MPa)	>=85%(originality)	>=85%(originality)
Aging Elongation (%)	>=65%(originality)	>=45%(originality)
Migration Test (500gX48hX60C)	No Crack	
Flame Test	VW-1	



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- Dalian LTK Electric Wire Ltd.
- LTK Industries (Suzhou) Ltd.
- LTK Cable (Chongqing) Ltd.

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 Approved by: CICI 21-Jun-12 Page 1 of 1