

Dept

Qty

DC

1

ED

1

IE

1

ISO

1

PD

1

R&D

1

SD

1

QA

1

QC

1

QE

1

1

2

3

4

5

6

7

8

REV.

DESCRIPTION

DRAWN

CHECKED

APPROVED

A

NEW RELEASE

JLZ 09/06/23'

Notes:

Product Description:

1. Conductor: Annealed soft tin copper.

2. Insulation: Electron-beam cross-linked material.

3. Jacket: Electron-beam cross-linked material.

4. Nominal voltage:1000V AC or 2000V AC.

5. Voltage test on completed cable:6KV AC, 1min.

6. Temperature: -40°C~+90°C.

7. Max.Temperature at conductor:+120°C.

8. Relative permittivity:UL854.

9. Fire test:UL1581 VW-1.

Product Number Code:

DS1193-01

-

X

X

X

X

X

Temperature at conductor

120:120°C

Jacket Colour

B:Black R:Red

Copper plating

6:Tin

Packing type

R:Reel

Cable size

18:AWG #18 16:AWG #16

14:AWG #14

2:AWG #2

<

A	Dept	
	Qty	
	DC	1
	ED	1
B	IE	1
	ISO	1
	PD	1
	R&D	1
	SD	1
	QA	1
	QC	1
	QE	1

Notes:

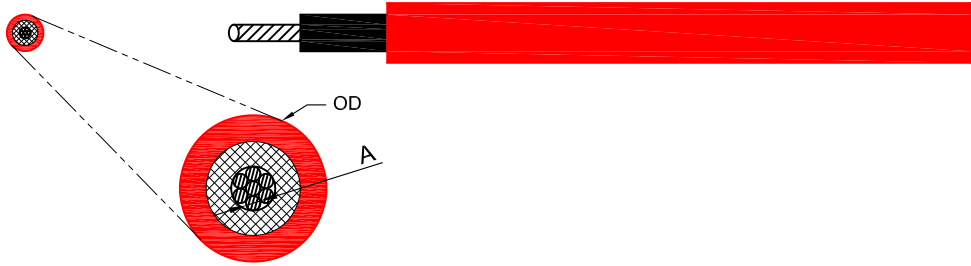
Product Description:

1. Conductor: Annealed soft tin copper.
2. Insulation: Electron-beam cross-linked material.
3. Jacket: Electron-beam cross-linked material.
4. Nominal voltage:600V AC.
5. Voltage test on completed cable:3KV AC, 1min.
6. Temperature: -40°C~+90°C.
7. Max.Temperature at conductor:+120°C.
8. Relative permittivity:UL854.
9. Fire test:UL1581 VW-1.

Product Number Code:

Product Number Code:

Conductor		Conductor Stranded OD.max(mm)	Cable OD.(mm)	Max Cond Resistance (Ω/km,20°C)	Current carrying Capacity AT 60°C(A)
AWG	No/mm(A)				
18	16/0.254	1.18	4.25	23.20	6
16	26/0.254	1.49	4.55	14.60	6
14	41/0.254	1.88	4.95	8.96	6
12	65/0.254	2.36	5.40	5.64	6
10	105/0.254	3.00	6.20	3.546	7.5
8	168/0.254	4.10	7.90	2.23	7.5
6	266/0.254	5.20	9.80	1.403	7.5
4	420/0.254	6.50	11.50	0.882	7.5
2	665/0.254	8.25	13.30	0.5548	7.5



(Series Image-Reference Only)

GENERAL TOLERANCE		ANGLE TOLERANCE		PROJECTION		TITLE	UL4703 PV 600V Tin-plated Copper Core Solar Photovoltaic Cable	
X.	±0.60	X.	±5°	UNITS	mm			
.X	±0.38	.X	±3°	SHEET SIZE	A4	SERIES	DS1193-01 SERIES	
.XX	±0.25	.XX	±2°					
DRAWING TYPE		CUSTOMER		 晨翔电子有限公司 CONNFLY CONNFLY ELECTRONIC CO. LTD				
SCALE	1:1	SHEET	2 OF 2					
DRAWING NO.	C-DS1193-01-XXXXX-A							

