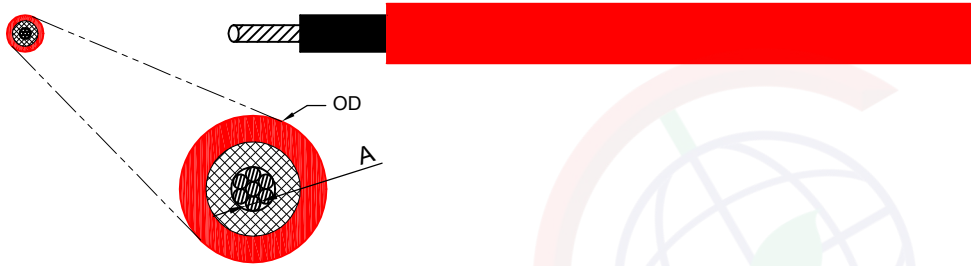


Dept	
Qty	
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ED	1
IE	1
ISO	1
PD	1
R&D	1
SD	1
QA	1
QC	1
QE	1

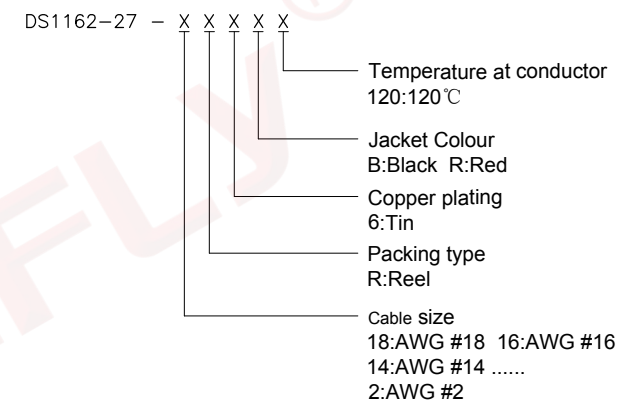
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REV.	DESCRIPTION	DRAWN	CHECKED	APPROVED
A	NEW RELEASE	JLZ 09/06/23'		



- 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:

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	5.00	23.20	6
16	26/0.254	1.49	5.30	14.60	6
14	41/0.254	1.88	5.70	8.96	6
12	65/0.254	2.36	6.20	5.64	6
10	105/0.254	3.00	6.90	3.546	7.5
8	168/0.254	4.10	8.40	2.23	7.5
6	266/0.254	5.20	10.30	1.403	7.5
4	420/0.254	6.50	11.70	0.882	7.5
2	665/0.254	8.25	13.50	0.5548	7.5



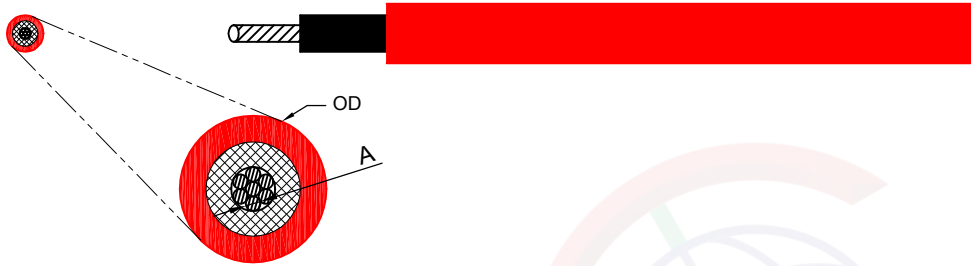
(Series Image-Reference Only)

GENERAL TOLERANCE		ANGLE TOLERANCE		PROJECTION		TITLE	UL4703 PV 1000V or 2000V Tin-plated Copper Core Solar Photovoltaic Cable		
X.	±0.60	X.	±5°	UNITS	mm	SHEET SIZE	A4	SERIES	DS1162-27 SERIES
.X	±0.38	.X	±3°	晨翔电子有限公司 CONNELY CONNELY ELECTRONIC CO. LTD					
.XX	±0.25	.XX	±2°						
DRAWING TYPE		CUSTOMER		SCALE		1:1		SHEET 1 OF 2	
DRAWING NO.		C-DS1162-27-XXXXX-A							

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

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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: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:

DS1162-27 - X X X X X X

- Nominal voltage SH:600V
- 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

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	SHEET SIZE	A4
.X	±0.38	.X	±3°			SERIES	DS1162-27 SERIES
.XX	±0.25	.XX	±2°				
DRAWING TYPE		CUSTOMER		晨翔电子有限公司 CONNFLY CONNELY ELECTRONIC CO. LTD			
SCALE		1:1	SHEET 2 OF 2				
DRAWING NO.		C-DS1162-27-XXXXX-A					