

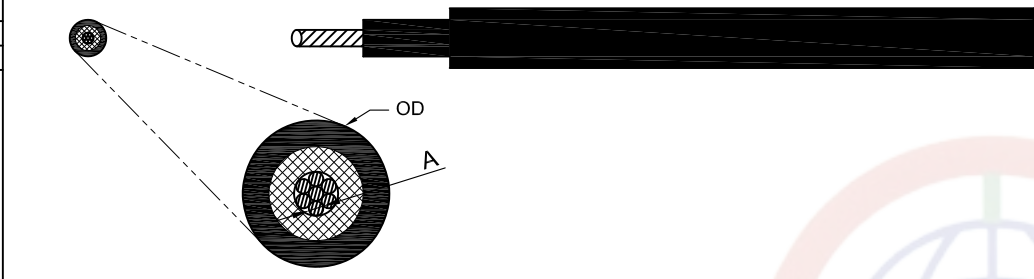
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REV.	DESCRIPTION	DRAWN	CHECKED	APPROVED
A	NEW RELEASE	JLZ 09/28/23'		

Notes:  
 Product Description:

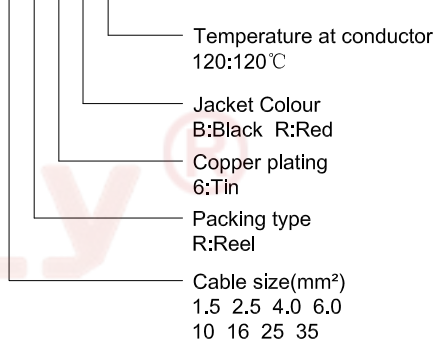
Conductor: Annealed soft tin copper.  
 Insulation: Electron-beam cross-linked material.  
 Jacket: Electron-beam cross-linked material.  
 Rated voltage: AC  $U_0/U=1000/1000VAC$ , 1500VDC.  
 Voltage test on finished cable: 6.5kV AC, 15kV DC, 5min  
 Ambient temperature: (-40°C up to +90°C).  
 Max.Temperature at conductor: +120°C.  
 Service life>25years: (-40°C up to +90°C) .  
 The permitted short-circuit-temperature: 200°C, 5 seconds.  
 Bending radius:  $\geq 4\phi$  ( $D < 8mm$ ) ;  $\geq 6\phi$  ( $D \geq 8mm$ ).  
 Acid and alkali resistance test: EN60811-2-1.  
 Cold bending test: EN60811-1-4.  
 Damp heat test: EN60068-2-78.  
 Sunlight resistance: EN60811-501, EN50289-4-17.  
 O-zone resistance test of finished cable: EN50396.  
 Fire test: EN60332-1-2.  
 Smoke density: IEC61034, EN50268-2.  
 Assessment of halogens for all non-metallic material: IEC670754-1 EN50267-2-1.



Cross section(mm²)	Conductor construction Dim A(No./mm)	Cable OD (mm)	Max Cond Resistance ( $\Omega/km, 20^\circ C$ )	Current carrying Capacity AT 60°C(A)
1.5	30/0.25	4.9	13.7	30
2.5	49/0.25	5.4	8.21	41
4.0	56/0.285	6.0	5.09	55
6.0	84/0.285	6.5	3.39	70
10	84/0.4	8.0	1.95	98
16	128/0.4	9.6	1.24	132
25	192/0.4	11.4	0.795	176
35	276/0.4	13.3	0565	218

Product Number Code:

DS1193-03 - X X X X X



(Series Image-Reference Only)

GENERAL TOLERANCE		ANGLE TOLERANCE		PROJECTION		TITLE	EN H1Z2Z2-K Photovoltaic Line Solar Photovoltaic DC Line	
X.	±0.60	X.	±5°	UNITS	mm	SHEET SIZE	A4	
.X	±0.38	.X	±3°	SHEET SIZE	A4	SERIES	DS1193-03 SERIES	
.XX	±0.25	.XX	±2°	<b>晨翔电子有限公司</b> <b>CONNFLY CONNELY ELECTRONIC CO. LTD</b>				
DRAWING TYPE		CUSTOMER						
SCALE	1:1	SHEET	1 OF 1					
DRAWING NO.		C-DS1193-03-XXXXX-A						

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