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

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



Cross section(mm²)	Conductor construction Dim A(No./mm)	Cable OD (mm)	Max Cond Resistance (Ω/km,20°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

Notes:

Product Description:

Conductor: Annealed soft tin copper.  
 Insulation: Electron-beam cross-linked material.  
 Jacket: Electron-beam cross-linked material.  
 Rated voltage: AC U<sub>o</sub>/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: ≥4xϕ (D < 8mm) ;≥6xϕ (D≥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.

Product Number Code:

DS1162-37 - 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 1.5 2.5 4.0 6.0 10 16 25 35



(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°			SERIES	DS1162-37 SERIES	
.XX ±0.25	.XX ±2°					
DRAWING TYPE	CUSTOMER		晨翔电子有限公司 <b>CONNELY CONNELY ELECTRONIC CO. LTD</b>			
SCALE	1:1	SHEET				1 OF 1
DRAWING NO.	C-DS1162-37-XXXXX-A					

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