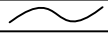
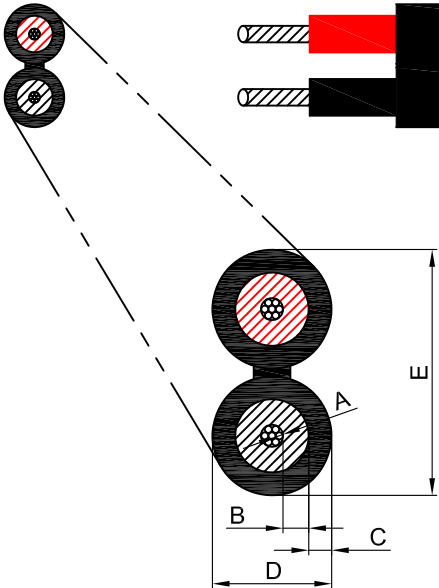


|   |      |   |   |   |   |      |             |               |                                                                                    |   |
|---|------|---|---|---|---|------|-------------|---------------|------------------------------------------------------------------------------------|---|
| A | Dept | 1 | 2 | 3 | 4 | 5    | 6           | 7             | 8                                                                                  | A |
|   | Qty  |   |   |   |   | REV. | DESCRIPTION | DRAWN         | CHECKED                                                                            |   |
|   | DC   | 1 |   |   |   | A    | NEW RELEASE | JLZ 09/06/23' |  |   |
|   | ED   | 1 |   |   |   |      |             |               |                                                                                    |   |
|   | IE   | 1 |   |   |   |      |             |               |                                                                                    |   |
|   | ISO  | 1 |   |   |   |      |             |               |                                                                                    |   |
|   | PD   | 1 |   |   |   |      |             |               |                                                                                    |   |
| B | R&D  | 1 |   |   |   |      |             |               |                                                                                    | B |
|   | SD   | 1 |   |   |   |      |             |               |                                                                                    |   |
|   | QA   | 1 |   |   |   |      |             |               |                                                                                    |   |
|   | QC   | 1 |   |   |   |      |             |               |                                                                                    |   |
| C | QE   | 1 |   |   |   |      |             |               |                                                                                    | C |
|   |      |   |   |   |   |      |             |               |                                                                                    |   |
|   |      |   |   |   |   |      |             |               |                                                                                    |   |
| D |      |   |   |   |   |      |             |               |                                                                                    | D |
|   |      |   |   |   |   |      |             |               |                                                                                    |   |
|   |      |   |   |   |   |      |             |               |                                                                                    |   |
| E |      |   |   |   |   |      |             |               |                                                                                    | E |
|   |      |   |   |   |   |      |             |               |                                                                                    |   |
|   |      |   |   |   |   |      |             |               |                                                                                    |   |
| F |      |   |   |   |   |      |             |               |                                                                                    | F |
|   |      |   |   |   |   |      |             |               |                                                                                    |   |
|   |      |   |   |   |   |      |             |               |                                                                                    |   |
| G |      |   |   |   |   |      |             |               |                                                                                    | G |
|   |      |   |   |   |   |      |             |               |                                                                                    |   |
|   |      |   |   |   |   |      |             |               |                                                                                    |   |
| H |      |   |   |   |   |      |             |               |                                                                                    | H |
|   |      |   |   |   |   |      |             |               |                                                                                    |   |
|   |      |   |   |   |   |      |             |               |                                                                                    |   |

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(Series Image-Reference Only)

| Core*Cross section(mm <sup>2</sup> M | Conductor construction Dim A(No./mm) | Insulation Thickness Dim B(mm) | Jacket Thickness Dim C(mm) | Cable OD Dim D*E(mm) | Max Cond Resistance (Ω/km,20°C) | Current carrying Capacity AT 60°C(A) |
|--------------------------------------|--------------------------------------|--------------------------------|----------------------------|----------------------|---------------------------------|--------------------------------------|
| 2x1.5                                | 30/0.25                              | 0.70                           | 0.80                       | 5.0*10.3             | 13.7                            | 30                                   |
| 2x2.5                                | 49/0.25                              | 0.70                           | 0.80                       | 5.2*10.8             | 8.21                            | 41                                   |
| 2x4.0                                | 56/0.285                             | 0.70                           | 0.80                       | 5.5*11.2             | 5.09                            | 55                                   |
| 2x6.0                                | 84/0.285                             | 0.70                           | 0.80                       | 6.2*12.5             | 3.39                            | 70                                   |
| 2x10                                 | 84/0.4                               | 0.70                           | 0.80                       | 7.5*15.2             | 1.95                            | 98                                   |
| 2x16                                 | 128/0.4                              | 0.70                           | 0.80                       | 9.6*19.7             | 1.24                            | 132                                  |

Notes:

Product Description:

Conductor: Tinned copper, according to VDE0295/IEC60228, class 5.

Insulation: Polyolefin copolymer electron-beam cross-linked.

Jacket: Polyolefin copolymer electron-beam cross-linked.

Rated voltage: AC U<sub>0</sub>/U=1000/1000VAC, 1500VDC.

Voltage test on finished cable:6.5kV AC, 15kV DC, 5min

Ambiet 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:

DS1193-02 - 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 2x1.5 2x2.5 2x4.0 2x6.0 2x10 2x16

| GENERAL TOLERANCE |       | ANGLE TOLERANCE     |     | PROJECTION                                                                                                                                         |  | TITLE                                        |
|-------------------|-------|---------------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------|
| X.                | ±0.60 | X.                  | ±5° | UNITS                                                                                                                                              | mm                                                                                    | TUV PV1-F Double Parallel Photovoltaic Line  |
| .X                | ±0.38 | .X                  | ±3° | SHEET SIZE                                                                                                                                         | A4                                                                                    | Photovoltaic Line Solar Photovoltaic DC Line |
| .XX               | ±0.25 | .XX                 | ±2° | SERIES DS1193-02 SERIES                                                                                                                            |                                                                                       |                                              |
| DRAWING TYPE      |       | CUSTOMER            |     |  <b>晨翔电子有限公司</b><br><b>CONNELY CONNELY ELECTRONIC CO. LTD</b> |                                                                                       |                                              |
| SCALE             |       | 1:1 SHEET 1 OF 1    |     |                                                                                                                                                    |                                                                                       |                                              |
| DRAWING NO.       |       | C-DS1193-02-XXXXX-A |     |                                                                                                                                                    |                                                                                       |                                              |