

# PWYY5AT-ST-2C10mm2-4

## Shielded power cable

**PROSE**

- High grade copper wire
- BC/PVC/CBS/PVC
- Rated temperature: 70°C
- This product used for power transmission

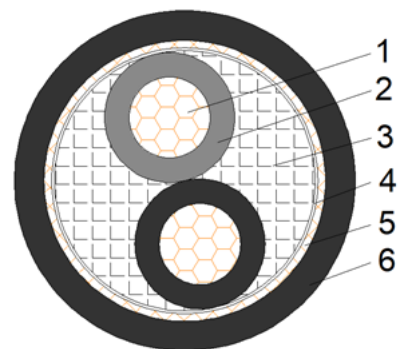


Photo for reference

### Part number

| Part No.             | Description                                                                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PWYY5AT-ST-2C10mm2-4 | Power cable, 0.6/1kV, 2x10mm <sup>2</sup> , Stranded bare copper wire conductor, Black and Grey PVC insulation, AL foil tape wrapping + Bare copper wire braiding screen, Black PVC sheath |

### Colour code

|                                |
|--------------------------------|
| Insulation colour: Black, Grey |
| Sheath colour: Black           |

### Material and dimension

| No. | Item         |                                           | PWYY5AT-ST-2C10mm2-4      |
|-----|--------------|-------------------------------------------|---------------------------|
| 1   | Conductor    | Material                                  | Stranded bare copper wire |
|     |              | Quantity                                  | 2 cores                   |
|     |              | Nominal cross-section area                | 10mm <sup>2</sup>         |
|     |              | Approximate diameter of single metal wire | 0.51mm                    |
| 2   | Insulation   | Material                                  | PVC                       |
| 3   | Filler       | Material                                  | PP mesh rope              |
| 4   | Inner Shield | Tape Material                             | AL foil wrapping          |
| 5   | Outer Shield | Braiding Material                         | Bare copper wire braiding |
|     |              | Braiding Coverage                         | ≥60%                      |
| 6   | Sheath       | Material                                  | PVC                       |
|     |              | Overall diameter, approximate             | ≈15.8mm                   |
|     |              | Cable weight, approximate                 | ≈530kg/km                 |

### Technical data

|                     |                              |
|---------------------|------------------------------|
| Rated voltage       | 0.6/1kV                      |
| Dielectric strength | AC 3500V, 5min, No breakdown |

|                                 |               |
|---------------------------------|---------------|
| Max. Conductor resistance, 20°C | ≤2.04Ω/km     |
| Insulation resistance at 20°C   | ≥7MΩ·km       |
| Operating temperature           | -50°C ~ +70°C |
| Installation temperature        | -10°C ~ +50°C |
| Storage temperature             | -50°C ~ +70°C |
| RoHS                            | Compliant     |
| Flame retardant                 | IEC 60332-1-2 |

## Packing

|                              |                                                                                    |
|------------------------------|------------------------------------------------------------------------------------|
| Cable drum size, approximate | 1000*1000*720 mm                                                                   |
| Minimum packing length       | 500m/drum                                                                          |
| Other requirement            | Except for the tail drum, the length per drum shall be in multiples of 100 meters. |

## Marking on cable

|                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------|
| PROSE _ PWYY5AT-ST-2C10mm2-4 _ _ _ 2x10mm <sup>2</sup> _ _ _ 0.6/1kV _ _ _ _ (DD+MM+SS+YY+NNNNN)_ _ _ _ _ XXXXm |
| Remark1: Printing Interval: 1m, within ±0.5% accuracy.                                                          |
| Remark2: (DD+MM+SS+YY+NNNNN) means cable code.                                                                  |
| Remark3: XXXXm means cable meter.                                                                               |

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