

- High grade copper wire
- CU/PVC/PVC
- Class 5 conductor
- Rated voltage: 0.6/1kV
- Rated temperature: 70°C
- This product used for power transmission

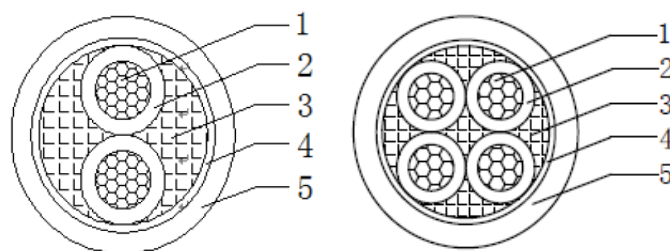


Photo for reference

Part number

PWYYK6-XCXXmm2-X	Power cable
1 2 3	
*1 indicate the core quantity, 1-1core, 2-2cores, 3-3cores, 4-4cores, 5-5cores.	
*2 indicate the single core section area.	
*3 indicate the insulation colour, the meaning of the numbers is in the "colour code" table.	

For example:

Part No.	Description
PWYYK6-2C10mm2-1	2x10mm ² , Class 5, Blue and Brown PVC insulation, Black PVC sheath

Colour code

Insulation colour: The meaning of the number or letter is as below.

1 core:

C.C.	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Yellow/Green
Abb.(XX)	BL	OR	GN	BN	GY	WH	RD	BK	YW	VT	YG

2 cores:

Number	0	1	2	3	4	5	6
Colour	Red, Blue	Blue, Brown	Blue, Black	Blue, Grey	Black, Grey	Red, Black	Black, White
Number	7	8					
Colour	Blue, White	Red, White					

3 cores:

Number	0	1	2	3
Colour	Yellow, Green, Red	Blue, Black, Brown	Blue, Brown, Yellow/Green	Red, Yellow, Blue
Number	4	5	6	7
Colour	Brown, Black, Grey	Red, Blue, Yellow/Green	Black, White, Red	Black, Blue, Green
Number	8	9	10	
Colour	Black, Blue, Yellow/Green	Brown, Black, Yellow/Green	Blue, Brown, Green	

4 cores:			
Number	0	1	2
Colour	Blue, Yellow, Green, Red	Blue, Brown, Black, Grey	Red, Blue, Yellow, Black
Number	3	4	5
Colour	Grey, White, Red, Blue	Blue, Brown, Black, Yellow/Green	Black, Brown, Grey, Yellow/Green
Number	6	7	
Colour	Blue, Brown, Red, Black	Red, Yellow, Green, Black	
5 cores:			
Number	0	1	2
Colour	Blue, Yellow, Green, Red, Black	Yellow/Green, Blue, Brown, Black, Grey	Red, Yellow, Blue, Brown, Green
Number	3	4	
Colour	Black insulation with white number (1-5)	Yellow/Green, Red, Yellow, Blue, Black	
Number	5	6	
Colour	Blue, Yellow, Green, Red, Yellow/Green	Black, Red, Blue, White, Yellow/Green	
Sheath colour: Black			

Standard

Ref. standard	IEC 60502-1
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Material and dimension

No.	Item		PWYYK6-XCXXmm2-X	
1	Conductor	Material	Annealed bare copper	Class 5
2	Insulation	Material	PVC/A	
3	Filler	Material	Optional	
4	Tape	Material	Optional	
5	Sheath	Material	PVC, ST1	

Noted: For larger cross section conductor, tape may also be used around conductor.

PN	Max. Conductor resistance, 20°C (Ω/km)	Nom. Insulation thickness (mm)	Min. Sheath thickness (mm)	Approx. Overall Diameter, (mm)
PWYYK6-1C1.5mm2-X	13.3	0.8	0.92	5.7
PWYYK6-1C2.5mm2-X	7.98	0.8	0.92	6.2
PWYYK6-1C4mm2-X	4.95	1.0	0.92	7.1
PWYYK6-1C6mm2-X	3.30	1.0	0.92	7.7
PWYYK6-1C10mm2-X	1.91	1.0	0.92	9.0
PWYYK6-1C16mm2-X	1.21	1.0	0.92	10.2

PN	Max. Conductor resistance, 20°C (Ω/km)	Nom. Insulation thickness (mm)	Min. Sheath thickness (mm)	Approx. Overall Diameter, (mm)
PWYYK6-1C25mm2-X	0.78	1.2	0.92	12.0
PWYYK6-1C35mm2-X	0.554	1.2	0.92	13.2
PWYYK6-1C50mm2-X	0.386	1.4	0.92	15.2
PWYYK6-1C70mm2-X	0.272	1.4	0.92	16.9
PWYYK6-1C95mm2-X	0.206	1.6	1.00	19.2
PWYYK6-1C120mm2-X	0.161	1.6	1.00	20.8
PWYYK6-1C150mm2-X	0.129	1.8	1.08	23.2
PWYYK6-2C1.5mm2-X	13.3	0.8	1.24	10.3
PWYYK6-2C2.5mm2-X	7.98	0.8	1.24	11.3
PWYYK6-2C4mm2-X	4.95	1.0	1.24	13.1
PWYYK6-2C6mm2-X	3.30	1.0	1.24	14.3
PWYYK6-2C10mm2-X	1.91	1.0	1.24	16.9
PWYYK6-2C16mm2-X	1.21	1.0	1.24	19.2
PWYYK6-2C25mm2-X	0.78	1.2	1.24	22.8
PWYYK6-2C35mm2-X	0.554	1.2	1.24	25.2
PWYYK6-2C50mm2-X	0.386	1.4	1.24	29.2
PWYYK6-2C70mm2-X	0.272	1.4	1.32	32.8
PWYYK6-2C95mm2-X	0.206	1.6	1.40	37.1
PWYYK6-2C120mm2-X	0.161	1.6	1.48	40.5
PWYYK6-3C1.5mm2-X	13.3	0.8	1.24	10.8
PWYYK6-3C2.5mm2-X	7.98	0.8	1.24	11.9
PWYYK6-3C4mm2-X	4.95	1.0	1.24	13.8
PWYYK6-3C6mm2-X	3.30	1.0	1.24	15.1
PWYYK6-3C10mm2-X	1.91	1.0	1.24	17.9
PWYYK6-3C16mm2-X	1.21	1.0	1.24	20.4
PWYYK6-3C25mm2-X	0.78	1.2	1.24	24.3
PWYYK6-3C35mm2-X	0.554	1.2	1.24	26.9
PWYYK6-3C50mm2-X	0.386	1.4	1.24	31.2
PWYYK6-3C70mm2-X	0.272	1.4	1.40	35.2
PWYYK6-3C95mm2-X	0.206	1.6	1.48	39.9
PWYYK6-4C1.5mm2-X	13.3	0.8	1.24	11.7
PWYYK6-4C2.5mm2-X	7.98	0.8	1.24	12.9
PWYYK6-4C4mm2-X	4.95	1.0	1.24	15.1
PWYYK6-4C6mm2-X	3.30	1.0	1.24	16.5
PWYYK6-4C10mm2-X	1.91	1.0	1.24	19.6
PWYYK6-4C16mm2-X	1.21	1.0	1.24	22.4
PWYYK6-4C25mm2-X	0.78	1.2	1.24	26.8

PN	Max. Conductor resistance, 20°C (Ω/km)	Nom. Insulation thickness (mm)	Min. Sheath thickness (mm)	Approx. Overall Diameter, (mm)
PWYYK6-4C35mm2-X	0.554	1.2	1.24	29.7
PWYYK6-4C50mm2-X	0.386	1.4	1.32	34.7
PWYYK6-4C70mm2-X	0.272	1.4	1.48	39.1
PWYYK6-4C95mm2-X	0.206	1.6	1.56	44.3
PWYYK6-5C1.5mm2-X	13.3	0.8	1.24	12.6
PWYYK6-5C2.5mm2-X	7.98	0.8	1.24	14.0
PWYYK6-5C4mm2-X	4.95	1.0	1.24	16.4
PWYYK6-5C6mm2-X	3.30	1.0	1.24	18.0
PWYYK6-5C10mm2-X	1.91	1.0	1.24	21.5
PWYYK6-5C16mm2-X	1.21	1.0	1.24	24.6
PWYYK6-5C25mm2-X	0.78	1.2	1.24	29.5
PWYYK6-5C35mm2-X	0.554	1.2	1.32	32.9
PWYYK6-5C50mm2-X	0.386	1.4	1.48	38.7
PWYYK6-5C70mm2-X	0.272	1.4	1.56	43.4
PWYYK6-5C95mm2-X	0.206	1.6	1.72	49.4

Technical data

Rated voltage	0.6/1 kV
Dielectric Strength	AC 3500V, 5min, no breakdown
Rated temperature	-15 °C ~70 °C
RoHS	Compliant
Min. bending radius	7D (D= overall diameter)
Flame retardant	IEC 60332-1-2

Marking on cable

PROSE _ PWYYK6-XCXXmm2-X _ _ _ _ (DD+MM+SS+YY+NNNNN) _ _ _ _ XXXXm
Remark1: Printing Interval: 1m, within ±0.5% accuracy.
Remark2: PWYYK6-XCXXmm2-X means the product number, and the PN in the actual order shall prevail.
Remark3: (DD+MM+SS+YY+NNNNN) means cable code.
Remark4: XXXXm means cable meter.

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