

- High grade copper wire
- CU/XLPE/LSZH
- Solid or stranded conductor
- Rated voltage: 0.6/1kV
- Rated temperature: 90°C
- This product used for power transmission

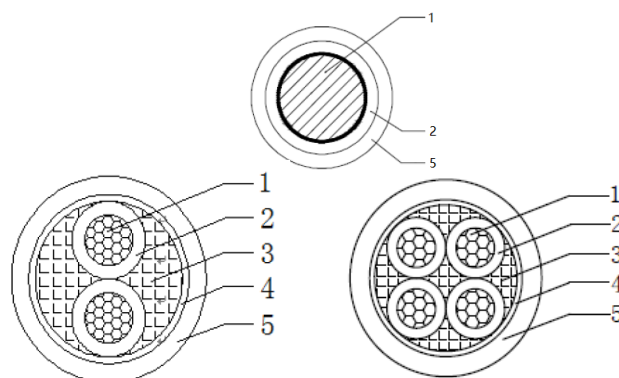


Photo for reference

Part number

PW2XHR6-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 number or letter is in the "colour code" table.	

For example:

Part No.	Description
PW2XHR6-1C10mm2-BK	1x10mm ² , CU/XLPE/LSZH, Class 2, Black XLPE insulation, Black LSZH sheath
PW2XHR6-2C10mm2-1	2x10mm ² , CU/XLPE/LSZH, Class 2, Blue and Brown XLPE insulation, Black LSZH 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

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

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
5 cores:			
Number	0	1	2
Colour	Blue, Yellow, Green, Red, Black	Yellow/Green, Blue, Brown, Black, Grey	Red, Yellow, Blue, Brown, Green
Sheath colour: Black			

Standard

Ref. standard	IEC 60502-1
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Material and dimension

No.	Item		PW2XHR6-XCXXmm2-X	
1	Conductor	Material	Annealed bare copper	Class 1 for section $\leq 6\text{mm}^2$ Class 2 for others
2	Insulation	Material	XLPE	
3	Filler	Material	As needed	
4	Tape	Material	As needed	
5	Sheath	Material	LSZH, ST8	

PN	Max. Conductor resistance, 20°C (Ω/km)	Nom. Insulation thickness (mm)	Min. Sheath thickness (mm)	Approx. Overall Diameter, (mm)
PW2XHR6-1C1.5mm2-X	12.1	0.7	0.92	5.4
PW2XHR6-1C2.5mm2-X	7.41	0.7	0.92	5.7
PW2XHR6-1C4mm2-X	4.61	0.7	0.92	6.2
PW2XHR6-1C6mm2-X	3.08	0.7	0.92	6.7
PW2XHR6-1C10mm2-X	1.83	0.7	0.92	8.0
PW2XHR6-1C16mm2-X	1.15	0.7	0.92	9.0
PW2XHR6-1C25mm2-X	0.727	0.9	0.92	10.5
PW2XHR6-1C35mm2-X	0.524	0.9	0.92	11.6
PW2XHR6-1C50mm2-X	0.387	1.0	0.92	12.8
PW2XHR6-1C70mm2-X	0.268	1.1	0.92	14.8
PW2XHR6-1C95mm2-X	0.193	1.1	1.00	16.6
PW2XHR6-1C120mm2-X	0.153	1.2	1.00	18.2

PN	Max. Conductor resistance, 20°C (Ω/km)	Nom. Insulation thickness (mm)	Min. Sheath thickness (mm)	Approx. Overall Diameter, (mm)
PW2XHR6-1C150mm2-X	0.124	1.4	1.08	20.5
PW2XHR6-1C185mm2-X	0.0991	1.6	1.08	22.5
PW2XHR6-2C1.5mm2-X	12.1	0.7	1.24	9.7
PW2XHR6-2C2.5mm2-X	7.41	0.7	1.24	10.3
PW2XHR6-2C4mm2-X	4.61	0.7	1.24	11.3
PW2XHR6-2C6mm2-X	3.08	0.7	1.24	12.3
PW2XHR6-2C10mm2-X	1.83	0.7	1.24	14.9
PW2XHR6-2C16mm2-X	1.15	0.7	1.24	16.9
PW2XHR6-2C25mm2-X	0.727	0.9	1.24	19.9
PW2XHR6-2C35mm2-X	0.524	0.9	1.24	22.1
PW2XHR6-2C50mm2-X	0.387	1.0	1.24	24.5
PW2XHR6-2C70mm2-X	0.268	1.1	1.24	28.5
PW2XHR6-2C95mm2-X	0.193	1.1	1.40	32.0
PW2XHR6-2C120mm2-X	0.153	1.2	1.48	35.4
PW2XHR6-2C150mm2-X	0.124	1.4	1.56	39.8
PW2XHR6-2C185mm2-X	0.0991	1.6	1.64	44.0
PW2XHR6-3C1.5mm2-X	12.1	0.7	1.24	10.2
PW2XHR6-3C2.5mm2-X	7.41	0.7	1.24	10.8
PW2XHR6-3C4mm2-X	4.61	0.7	1.24	11.9
PW2XHR6-3C6mm2-X	3.08	0.7	1.24	13.0
PW2XHR6-3C10mm2-X	1.83	0.7	1.24	15.8
PW2XHR6-3C16mm2-X	1.15	0.7	1.24	17.9
PW2XHR6-3C25mm2-X	0.727	0.9	1.24	21.2
PW2XHR6-3C35mm2-X	0.524	0.9	1.24	23.5
PW2XHR6-3C50mm2-X	0.387	1.0	1.24	26.1
PW2XHR6-3C70mm2-X	0.268	1.1	1.32	30.6
PW2XHR6-3C95mm2-X	0.193	1.1	1.40	34.2
PW2XHR6-4C1.5mm2-X	12.1	0.7	1.24	11.0
PW2XHR6-4C2.5mm2-X	7.41	0.7	1.24	11.7
PW2XHR6-4C4mm2-X	4.61	0.7	1.24	12.9
PW2XHR6-4C6mm2-X	3.08	0.7	1.24	14.1
PW2XHR6-4C10mm2-X	1.83	0.7	1.24	17.2
PW2XHR6-4C16mm2-X	1.15	0.7	1.24	19.6
PW2XHR6-4C25mm2-X	0.727	0.9	1.24	23.3
PW2XHR6-4C35mm2-X	0.524	0.9	1.24	25.9
PW2XHR6-4C50mm2-X	0.387	1.0	1.32	29.0
PW2XHR6-4C70mm2-X	0.268	1.1	1.40	34.0

PN	Max. Conductor resistance, 20°C (Ω/km)	Nom. Insulation thickness (mm)	Min. Sheath thickness (mm)	Approx. Overall Diameter, (mm)
PW2XHR6-4C95mm2-X	0.193	1.1	1.48	38.0
PW2XHR6-5C1.5mm2-X	12.1	0.7	1.24	11.8
PW2XHR6-5C2.5mm2-X	7.41	0.7	1.24	12.6
PW2XHR6-5C4mm2-X	4.61	0.7	1.24	14.0
PW2XHR6-5C6mm2-X	3.08	0.7	1.24	15.3
PW2XHR6-5C10mm2-X	1.83	0.7	1.24	18.8
PW2XHR6-5C16mm2-X	1.15	0.7	1.24	21.5
PW2XHR6-5C25mm2-X	0.727	0.9	1.24	25.6
PW2XHR6-5C35mm2-X	0.524	0.9	1.24	28.5
PW2XHR6-5C50mm2-X	0.387	1.0	1.40	32.1
PW2XHR6-5C70mm2-X	0.268	1.1	1.48	37.7
PW2XHR6-5C95mm2-X	0.193	1.1	1.64	42.4

Technical data

Rated voltage	0.6/1 kV
Dielectric Strength	AC 3500V, 5min, no breakdown
Rated temperature	-15°C ~ 90°C
RoHS	Compliant
Min. bending radius	12D (D= overall diameter)
Flame retardant	IEC 60332-1-2
Halogen free	IEC 60754-1, IEC 60754-2
Low smoke	IEC 61034-2

Marking on cable

PROSE _ PW2XHR6-XCXXmm2-X _ _ _ _ (DD+MM+SS+YY+NNNNN) _ _ _ _ XXXXm
Remark1: Printing Interval: 1m, within ±0.5% accuracy.
Remark2: PW2XHR6-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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