

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

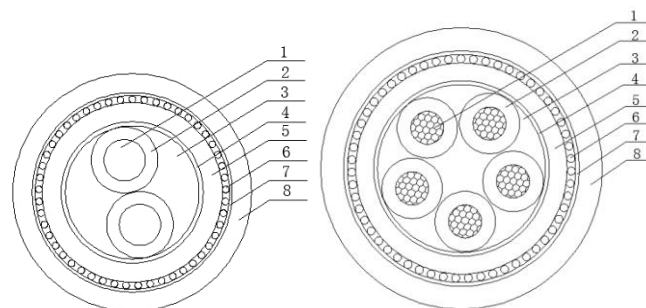


Photo for reference

Part number

PW2XHR6-SWA- <u>XCXX</u> mm2-X	Armored power cable
1 2 3	
*1 indicate the core quantity, 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 is in the "colour code".	

For example:	
Part No.	Description
PW2XHR6-SWA-2C6mm2-1	2*6 mm ² , Class 1, Blue and Brown XLPE insulation, Black LSZH inner covering, Galvanized steel wires armor, Black LSZH outer sheath
PW2XHR6-SWA-5C10mm2-1	5*10 mm ² , Class 2, Yellow/Green, Blue, Brown, Black and Grey XLPE insulation, Black LSZH inner covering, Galvanized steel wires armor, Black LSZH outer sheath

Colour code

Insulation colour: The meaning of the number or letter is as below.							
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
Inner covering colour: Black			
Outer sheath colour: Black			

Standard

Ref. standard	IEC 60502-1
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Material and dimension

No.	Item		PW2XHR6-SWA-XCXXmm2-X	
1	Conductor	Material	Annealed bare copper	Class 1 for section ≤6mm ² Class 2 for others
2	Insulation	Material	XLPE	
3	Filler (Optional)	Material	As needed	
4	Tape	Material	Optional	
5	Inner covering	Material	LSZH	
6	Armor	Material	Galvanized steel wire	
7	Tape	Material	Optional	
8	Outer sheath	Material	LSZH	

PN	Max. Conductor resistance, 20°C (Ω/km)	Insulation thickness, Nom. (mm)	Single armor metal wire diameter, Nom. (mm)	Outer sheath thickness, Min. (mm)	Overall Diameter, Approx. (mm)
PW2XHR6-SWA-2C4mm2-X	4.61	0.7	0.80	1.24	15.6
PW2XHR6-SWA-2C6mm2-X	3.08	0.7	0.80	1.24	16.6
PW2XHR6-SWA-2C10mm2-X	1.83	0.7	1.25	1.24	20.1
PW2XHR6-SWA-2C16mm2-X	1.15	0.7	1.25	1.24	22.1
PW2XHR6-SWA-2C25mm2-X	0.727	0.9	1.60	1.24	25.8
PW2XHR6-SWA-2C35mm2-X	0.524	0.9	1.60	1.24	28.0
PW2XHR6-SWA-2C50mm2-X	0.387	1.0	1.60	1.24	30.4

PW2XHR6-SWA-2C70mm2-X	0.268	1.1	1.60	1.40	34.7
PW2XHR6-SWA-3C4mm2-X	4.61	0.7	0.80	1.24	16.2
PW2XHR6-SWA-3C6mm2-X	3.08	0.7	0.80	1.24	17.3
PW2XHR6-SWA-3C10mm2-X	1.83	0.7	1.25	1.24	21.0
PW2XHR6-SWA-3C16mm2-X	1.15	0.7	1.25	1.24	23.1
PW2XHR6-SWA-3C25mm2-X	0.727	0.9	1.60	1.24	27.0
PW2XHR6-SWA-3C35mm2-X	0.524	0.9	1.60	1.24	29.4
PW2XHR6-SWA-3C50mm2-X	0.387	1.0	1.60	1.32	32.2
PW2XHR6-SWA-3C70mm2-X	0.268	1.1	2.00	1.40	37.8
PW2XHR6-SWA-4C4mm2-X	4.61	0.7	0.80	1.24	17.1
PW2XHR6-SWA-4C6mm2-X	3.08	0.7	1.25	1.24	19.2
PW2XHR6-SWA-4C10mm2-X	1.83	0.7	1.25	1.24	22.4
PW2XHR6-SWA-4C16mm2-X	1.15	0.7	1.60	1.24	25.5
PW2XHR6-SWA-4C25mm2-X	0.727	0.9	1.60	1.24	29.1
PW2XHR6-SWA-4C35mm2-X	0.524	0.9	1.60	1.32	32.0
PW2XHR6-SWA-4C50mm2-X	0.387	1.0	1.60	1.40	35.0
PW2XHR6-SWA-4C70mm2-X	0.268	1.1	2.00	1.56	41.4
PW2XHR6-SWA-5C4mm2-X	4.61	0.7	1.25	1.24	19.1
PW2XHR6-SWA-5C6mm2-X	3.08	0.7	1.25	1.24	20.4
PW2XHR6-SWA-5C10mm2-X	1.83	0.7	1.25	1.24	24.0
PW2XHR6-SWA-5C16mm2-X	1.15	0.7	1.60	1.24	27.4
PW2XHR6-SWA-5C25mm2-X	0.727	0.9	1.60	1.24	31.4
PW2XHR6-SWA-5C35mm2-X	0.524	0.9	1.60	1.32	34.6
PW2XHR6-SWA-5C50mm2-X	0.387	1.0	2.00	1.48	39.3
PW2XHR6-SWA-5C70mm2-X	0.268	1.1	2.00	1.64	45.1

Electrical data

Rated voltage	0.6/1 kV
Dielectric Strength	AC 3500V, 5min, no breakdown

Environment performance

Rated temperature	-15°C ~ 90°C
Flame Retardant	IEC 60332-1-2
Halogen free	IEC 60754-1, IEC 60754-2
Low smoke	IEC 61034-2
Min. bending radius	12D (D= overall diameter)
RoHS	Compliant

Marking on cable

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