PAAW2XHR6-XCXXmm2-X
Power cable

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

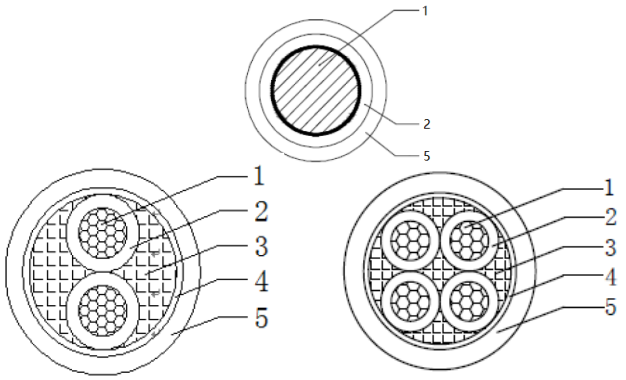

Photo for reference

Part number

PAAW2XHR6-**X**C**XX**mm2-**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 color, the meaning of the number or letter is in the “color code” table.	

For example:	
Part No.	Description
PAAW2XHR6-1C10mm2-BK	1x10mm^2, Al alloy conductor, Black XLPE insulation, Black LSZH sheath
PAAW2XHR6-2C10mm2-1	2x10mm^2, Al alloy conductor, Blue and Brown XLPE insulation, Black LSZH sheath

Color code

Insulation color: 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
Color	Red, Blue	Blue, Brown	Blue, Black	Blue, Grey	Black, Grey	Red, Black	Black, White

3 cores:				
Number	0	1	2	3
Color	Yellow, Green, Red	Blue, Black, Brown	Blue, Brown, Yellow/Green	Red, Yellow, Blue

4 cores:			
Number	0	1	2
Color	Blue, Yellow, Green, Red	Blue, Brown, Black, Grey	Red, Blue, Yellow, Black

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

Standard

Ref. standard	IEC 60502-1

Material and dimension

No.	Item		PAAW2XHR6-XCXXmm2-X	
1	Conductor	Material	Aluminum alloy wire	Class 1 for section ≤6mm^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)
PAAW2XHR6-1C6mm2-X	4.61	0.7	0.92	6.6
PAAW2XHR6-1C10mm2-X	3.08	0.7	0.92	7.9
PAAW2XHR6-1C16mm2-X	1.91	0.7	0.92	8.9
PAAW2XHR6-1C25mm2-X	1.20	0.9	0.92	10.4
PAAW2XHR6-1C35mm2-X	0.868	0.9	0.92	11.5
PAAW2XHR6-1C50mm2-X	0.641	1.0	0.92	12.7
PAAW2XHR6-1C70mm2-X	0.443	1.1	0.92	14.7
PAAW2XHR6-1C95mm2-X	0.320	1.1	1.00	16.5
PAAW2XHR6-2C6mm2-X	4.61	0.7	1.24	12.0
PAAW2XHR6-2C10mm2-X	3.08	0.7	1.24	14.6
PAAW2XHR6-2C16mm2-X	1.91	0.7	1.24	16.6
PAAW2XHR6-2C25mm2-X	1.20	0.9	1.24	19.6
PAAW2XHR6-2C35mm2-X	0.868	0.9	1.24	21.8
PAAW2XHR6-2C50mm2-X	0.641	1.0	1.24	24.2
PAAW2XHR6-2C70mm2-X	0.443	1.1	1.24	28.2
PAAW2XHR6-2C95mm2-X	0.320	1.1	1.40	31.7
PAAW2XHR6-3C6mm2-X	4.61	0.7	1.24	12.6

PN	Max. Conductor resistance, 20°C (Ω/km)	Nom. Insulation thickness (mm)	Min. Sheath thickness (mm)	Approx. Overall Diameter, (mm)
PAAW2XHR6-3C10mm2-X	3.08	0.7	1.24	15.4
PAAW2XHR6-3C16mm2-X	1.91	0.7	1.24	17.6
PAAW2XHR6-3C25mm2-X	1.20	0.9	1.24	20.8
PAAW2XHR6-3C35mm2-X	0.868	0.9	1.24	23.2
PAAW2XHR6-3C50mm2-X	0.641	1.0	1.24	25.7
PAAW2XHR6-3C70mm2-X	0.443	1.1	1.32	30.2
PAAW2XHR6-3C95mm2-X	0.320	1.1	1.40	33.8
PAAW2XHR6-4C6mm2-X	4.61	0.7	1.24	13.7
PAAW2XHR6-4C10mm2-X	3.08	0.7	1.24	16.8
PAAW2XHR6-4C16mm2-X	1.91	0.7	1.24	19.3
PAAW2XHR6-4C25mm2-X	1.20	0.9	1.24	22.9
PAAW2XHR6-4C35mm2-X	0.868	0.9	1.24	25.5
PAAW2XHR6-4C50mm2-X	0.641	1.0	1.32	28.6
PAAW2XHR6-4C70mm2-X	0.443	1.1	1.40	33.6
PAAW2XHR6-4C95mm2-X	0.320	1.1	1.48	37.6
PAAW2XHR6-5C6mm2-X	4.61	0.7	1.24	14.9
PAAW2XHR6-5C10mm2-X	3.08	0.7	1.24	18.4
PAAW2XHR6-5C16mm2-X	1.91	0.7	1.24	21.1
PAAW2XHR6-5C25mm2-X	1.20	0.9	1.24	25.2
PAAW2XHR6-5C35mm2-X	0.868	0.9	1.24	28.1
PAAW2XHR6-5C50mm2-X	0.641	1.0	1.40	31.7
PAAW2XHR6-5C70mm2-X	0.443	1.1	1.48	37.3
PAAW2XHR6-5C95mm2-X	0.320	1.1	1.64	41.9

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 _ PAAW2XHR6-XCXXmm2-X _ _ _ _ _(DD+MM+SS+YY+NNNNN)_ _ _ _ _XXXXm
Remark1: Printing Interval: 1m, within ±0.5% accuracy.
Remark2: PAAW2XHR6-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.