PWYYR6-SWA-XCXXmm2-X
Power Cable, Armored

PROSE

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

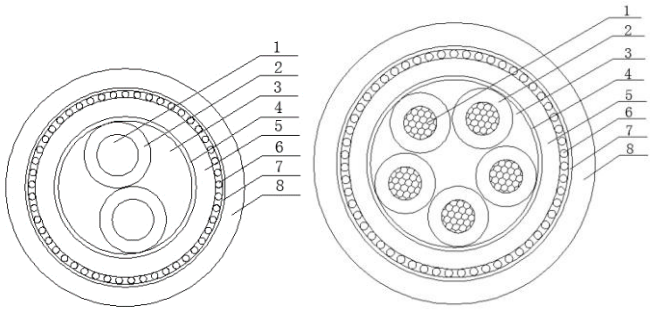

Photo for reference

Part number

PWYYR6-SWA-**X**C**XX**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
PWYYR6-SWA-2C6mm2-0	2*6mm^2, Red and Blue PVC insulation, Black PVC inner covering, Galvanized steel wires armor, Black PVC outer sheath
PWYYR6-SWA-5C10mm2-0	5*10mm^2, Blue, Yellow, Green, Red and Black PVC insulation, Black PVC inner covering, Galvanized steel wires armor, Black PVC 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

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

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

Material and dimension

No.	Item		PWYYR6-SWA-XCXXmm2-X	
1	Conductor	Material	Annealed bare copper	Class 1 for section ≤6mm2 Class 2 for others
2	Insulation	Material	PVC	
3	Filler (Optional)	Material	As needed	
4	Tape	Material	Optional	
5	Inner covering	Material	PVC	
6	Armor	Material	Galvanized steel wire	
7	Tape	Material	Optional	
8	Outer sheath	Material	PVC	

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)
PWYYR6-SWA-2C4mm2-X	4.61	1.0	0.80	1.24	16.8
PWYYR6-SWA-2C6mm2-X	3.08	1.0	1.25	1.24	18.7
PWYYR6-SWA-2C10mm2-X	1.83	1.0	1.25	1.24	21.3
PWYYR6-SWA-2C16mm2-X	1.15	1.0	1.25	1.24	23.3
PWYYR6-SWA-2C25mm2-X	0.727	1.2	1.60	1.24	27.0
PWYYR6-SWA-2C35mm2-X	0.524	1.2	1.60	1.24	29.2
PWYYR6-SWA-2C50mm2-X	0.387	1.4	1.60	1.32	32.2
PWYYR6-SWA-2C70mm2-X	0.268	1.4	2.00	1.40	36.7
PWYYR6-SWA-3C4mm2-X	4.61	1.0	1.25	1.24	18.4
PWYYR6-SWA-3C6mm2-X	3.08	1.0	1.25	1.24	19.4

PWYYR6-SWA-3C10mm2-X	1.83	1.0	1.25	1.24	22.2
PWYYR6-SWA-3C16mm2-X	1.15	1.0	1.25	1.24	24.4
PWYYR6-SWA-3C25mm2-X	0.727	1.2	1.60	1.24	28.3
PWYYR6-SWA-3C35mm2-X	0.524	1.2	1.60	1.24	30.7
PWYYR6-SWA-3C50mm2-X	0.387	1.4	1.60	1.40	34.1
PWYYR6-SWA-3C70mm2-X	0.268	1.4	2.00	1.48	39.3
PWYYR6-SWA-4C4mm2-X	4.61	1.0	1.25	1.24	19.5
PWYYR6-SWA-4C6mm2-X	3.08	1.0	1.25	1.24	20.7
PWYYR6-SWA-4C10mm2-X	1.83	1.0	1.25	1.24	23.8
PWYYR6-SWA-4C16mm2-X	1.15	1.0	1.60	1.24	26.9
PWYYR6-SWA-4C25mm2-X	0.727	1.2	1.60	1.24	30.6
PWYYR6-SWA-4C35mm2-X	0.524	1.2	1.60	1.32	33.4
PWYYR6-SWA-4C50mm2-X	0.387	1.4	2.00	1.48	38.3
PWYYR6-SWA-4C70mm2-X	0.268	1.4	2.00	1.56	42.8
PWYYR6-SWA-5C4mm2-X	4.61	1.0	1.25	1.24	20.7
PWYYR6-SWA-5C6mm2-X	3.08	1.0	1.25	1.24	22.1
PWYYR6-SWA-5C10mm2-X	1.83	1.0	1.60	1.24	26.3
PWYYR6-SWA-5C16mm2-X	1.15	1.0	1.60	1.24	29.0
PWYYR6-SWA-5C25mm2-X	0.727	1.2	1.60	1.32	33.2
PWYYR6-SWA-5C35mm2-X	0.524	1.2	2.00	1.40	37.1
PWYYR6-SWA-5C50mm2-X	0.387	1.4	2.00	1.56	41.7
PWYYR6-SWA-5C70mm2-X	0.268	1.4	2.00	1.64	46.7

Electrical data

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

Environment performance

Rated temperature	-15°C ~ 70°C
Flame Retardant	IEC 60332-1-2
RoHS	Compliant

Marking on cable

PROSE _ PWYYR6-SWA-XCXXmm2-X _ _ _ _ _(DD+MM+SS+YY+NNNNN)_ _ _ _ _XXXXm
Remark1: Printing Interval: 1m, within ±0.5% accuracy.
Remark2: PWYYR6-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.