

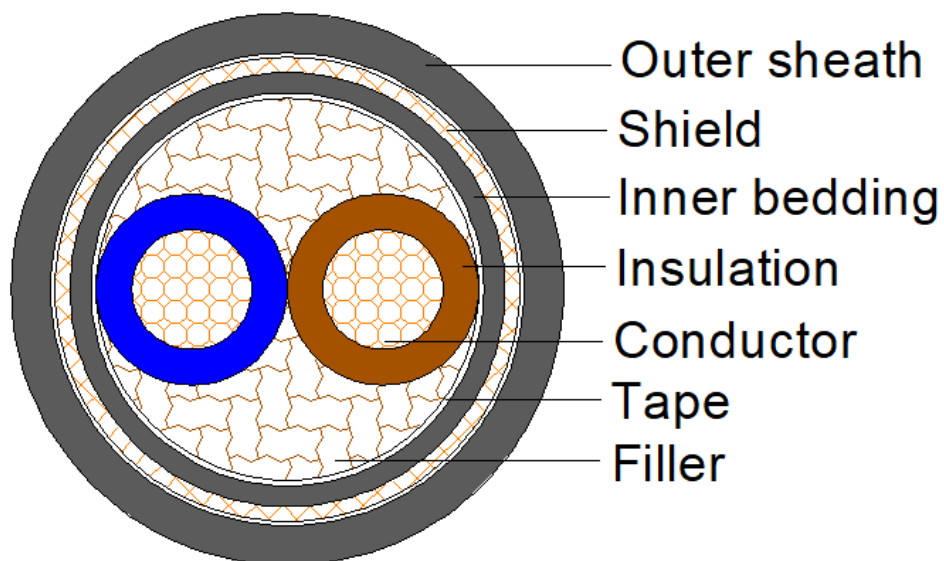


Photo for reference

Part number

PW2XHK- <u>2.5S</u> -2C <u>XX</u> mm2- <u>XV4</u>	Shielded power cable, 2 cores
1 2 3	
*1 indicate the nominal cross section area of the shield, 2.5mm ²	
*2 indicate the single core nominal cross section area	
*3 indicate the insulation colour, the meaning of the numbers is in the "colour code" table.	

For example:	
Part No.	Description
PW2XHK-2.5S-2C10mm2-1V4	2*10mm ² , Class 5 conductor, Blue and Brown XLPE insulation, Black LSZH compound inner bedding, 2.5mm ² copper wire braiding + copper tape shield, Black LSZH compound outer sheath
PW2XHK-2.5S-2C16mm2-1V4	2*16mm ² , Class 5 conductor, Blue and Brown XLPE insulation, Black LSZH compound inner bedding, 2.5mm ² copper wire braiding + copper tape shield, Black LSZH compound outer sheath

Colour code

Insulation colour: The meaning of the number is as below.							
Number	0	1	2	3	4	5	6
Colour	Red, Blue	Blue, Brown	Blue, Black	Blue, Grey	Black, Grey	Red, Black	Black, White
Sheath colour: Black							

Material and dimension

Item		PW2XHK-2.5S-2CXXmm2-XV4
Conductor	Material	Annealed bare copper, IEC 60228 class 5
	Quantity	2 cores
Insulation	Material	XLPE
Filler	Material	Optional
Tape	Material	Optional
Inner covering	Material	Halogen free compound, Flame retardant
Shield	Inner material	Copper wire braiding
	Braiding coverage	>85%
	Outer material	Copper tape
	Cross Sectional area	$\geq 2.5\text{mm}^2$
Outer sheath	Material	LSZH compound with UV protection

Noted: The tape may be used around conductors and shield.

PN	Nom. Insulation thickness * (mm)	Nom. Inner bedding thickness * (mm)	Nom. Outer sheath thickness * (mm)	Approx. Overall Diameter, (mm)
PW2XHK-2.5S-2C10mm2-XV4	0.7	0.3	1.8	16.8
PW2XHK-2.5S-2C16mm2-XV4	0.7	0.3	1.8	19.2

*Note: The average or minimum thickness of the insulation, inner bedding and outer sheath comply with the relevant requirements of IEC 60502-1 section 16.5.

Technical data

Designated voltage		24/48 V
Voltage test (core to core)		AC 3.5kV/5min, no breakdown
Voltage test (core to shield)		AC 0.5kV/5min, no breakdown
Minimum insulation volume resistivity at 27°C		$1 \times 10^{14} \Omega\text{-cm}$
Max. DC conductor resistance, 20°C	10 mm ²	1.91Ω/km
	16 mm ²	1.21Ω/km
Max. AC conductor resistance, 70°C	10 mm ²	2.29Ω/km
	16 mm ²	1.45Ω/km
Max. DC shield resistance, 20°C		7.41 Ω/Km
Rated operating temperature		90 °C
Max. conductor temperature during short-circuit		250 °C
RoHS		Compliant
Min. bending radius		12D (D= overall diameter)

LSZH properties	Flame retardant	IEC 60332-3-24
	Oxygen Index (For inner bedding and outer sheath)	29% Minimum, as per ASTM D-2863
	Smoke density (Max)	Light transmittance $\geq 80\%$, as per IEC 61034
	Halogen acid gas generation	Meet the requirements of IEC 60754
	Temperature index Min.	250°C Minimum, as per ASTM D 2863

Marking on cable

Prose _ PW2XHK-2.5S-2CXXmm2-XV4 _ _ _ _ (DD+MM+SS+YY+NNNNN) _ _ _ _ XXXXm
Remark1: Printing Interval: 1m, within $\pm 0.5\%$ accuracy.
Remark2: PW2XHK-2.5S-2CXXmm2-XV4 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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