

# Multicores Stranded Copper Conductor XLPE Insulated and PVC Sheathed (N2XY) 0.6/1 KV

## Application:

For use indoors - in cable trenches or ducts; and outdoors - in power stations, industrial plants and switchgears if mechanical protection is not required, or in applications where the cable is not exposed to mechanical damage.

## Applicable Standards:

Stranded cables are designed and tested to meet or exceed the requirements of IEC 60502-1 standard. However, can also supply a range of alternative designs to meet customer-specified requirements.

## Specification:

### Conductor

Stranded annealed copper conductor class 2 according to BS EN 60228 and IEC 60228.

### Insulation:

Cross link polyethylene XLPE insulation with rating 90 °C at normal operation according to IEC 60502-1.

### Assembly:

The insulated cores are uniformly twisted together to form the cable core.

### Core colors:

Standard core color will be as follow:

Two cores: Red and Black

Three cores: Red, Yellow and Blue

Four cores: Red, Yellow, Blue and Black

### Sheath:

Solid extruded PVC with temperature rating 90 °C at normal operation applied over the laid up assembled cores according to IEC 60502-1 type ST2.

### Flame retardancy:

Stranded cables 600/1000 V have been tested and approved with the flame performance standards IEC 60332-1-2.

### Packing:

Available in standard length of 1000 meters on wooden drum

(Other lengths are available upon request).

### Marking:

4\*6 mm<sup>2</sup> CU/XLPE/PVC 0.6/1 kV IEC60502-1



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## Technical Data:

Number of cores	size	No. x diameter	(ohm/km at 20 °c)	XLPE Insulation Thickness	PVC Jacket Thickness	Nominal Outer Diameter	Approx. Net Weight	Current Rating			Ordering Information
No.	(MM2)	No. xMM	(ohm/km at 20C °c)	(MM)	(MM)	(MM)	(Kg/km)	Laid Direct in ground (A)	Laid in Duct (A)	Laid in Free Air (A)	Item Code
2	1.5	7x0.52	12.1	0.7	1.8	9.52	124	34	29	28	P2XV1000ST- 2*1.5
3					1.8	10.02	144	30	27	25	P2XV1000ST- 3*1.5
4					1.8	10.76	171	30	27	25	P2XV1000ST- 4*1.5
2	2.5	7x0.67	7.41	0.7	1.8	10.42	159	42	37	37	P2XV1000ST- 2*2.5
3					1.8	11.00	189	40	34	36	P2XV1000ST- 3*2.5
4					1.8	11.85	227	40	34	36	P2XV1000ST- 4*2.5
2	4	7x0.85	4.61	0.7	1.8	11.5	208	57	47	51	P2XV1000ST- 2*4
3					1.8	12.17	252	51	42	46	P2XV1000ST- 3*4
4					1.8	13.16	307	51	42	46	P2XV1000ST- 4*4
2	6	7x1.04	3.08	0.7	1.8	12.64	269	72	61	67	P2XV1000ST- 2*6
3					1.8	13.41	332	65	53	56	P2XV1000ST- 3*6
4					1.8	14.54	408	65	53	56	P2XV1000ST- 4*6