



## Construction

**Conductor:** Circular compacted copper, class 2

**Insulation:** XLPE (Cross-Linked Polyethylene)

**Metallic Screen:** Copper tape or copper wire

**Armour:** Steel tape

**Outer Sheath:** PVC (Polyvinyl Chloride)

**Colour:** Red or Black

## Applications

N2XSR Y cables are widely used in the backbone of power systems, for example, internal power distribution in an industrial plant, power transmission of large commercial buildings, systems that are laid underground and outdoor applications where a high level of mechanical stability and protection is necessary.

## Standards

DIN VDE 0276-620

IEC 60502-2

IEC 60228,

## Specification

<b>Maximum Conductor Temperature:</b>	under normal (90 °C), emergency (130 °C)
<b>Max. temperature during short circuit(≤5S)</b>	250
<b>Minimum Bending Radius</b>	15x (single core) / 12x (multi core)

## Technical Data

Nominal Cross-Sectional Area mm <sup>2</sup>	Strands No./Dia. Of Conductor	Insulation Thickness mm	Sheath Thickness mm	Overall Cable Diameter (approx) mm	Weight (approx.) kg/km
1 x 25	7/2.18	4.5	1.8	22.6	689.4
1 x 35	7/2.58	4.5	1.8	23.6	807.5
1 x 50	10/2.58	4.5	1.8	25	972.8
1 x 70	19/2.18	4.5	1.8	26.6	1193
1 x 95	19/2.58	4.5	1.8	28.2	1473
1 x 120	24/2.58	4.5	1.9	29.8	1747.8
1 x 150	30/2.58	4.5	1.9	31.4	2059.6
1 x 185	37/2.58	4.5	2	33.2	2430
1 x 240	48/2.58	4.5	2.1	35.7	2998.8
1 x 300	60/2.58	4.5	2.1	37.8	3589.6
1 x 400	61/2.94	4.5	2.2	41.2	4529.9
1 x 500	61/3.28	4.5	2.3	44.2	5566.6
3x25	7/2.18	4.5	2.4	44.8	2251.6
3x35	7/2.58	4.5	2.5	47.2	2655.9
3x50	10/2.58	4.5	2.6	50.4	3217.3
3x70	19/2.18	4.5	2.7	54	3957.2
3x95	19/2.58	4.5	2.8	57.7	4884.7
3x120	24/2.58	4.5	2.9	60.9	5754.2
3x150	30/2.58	4.5	3	64.5	6788
3x185	37/2.58	4.5	3.1	68.2	7961.6
3x240	48/2.58	4.5	3.3	73.5	9801.3
3x300	60/2.58	4.5	3.4	78.3	11725.3
3x400	61/2.94	4.5	3.7	85.8	14799.2