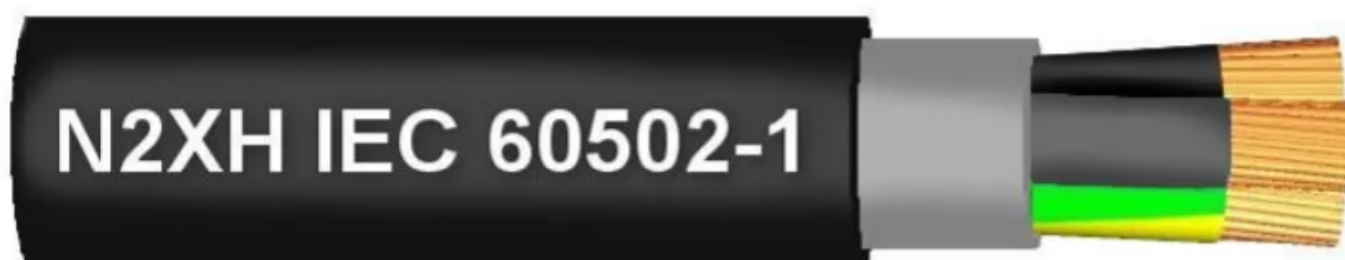




## INNOVCABLE INNOVTOX N2XH 0.6/1kV 90°C CABLE



1-) **Conductor:** electrolytic bare copper wires, soft temper, stranding class 4 up to the nominal section of 6.00 mm<sup>2</sup> and stranding class 5 from section 10.00 mm<sup>2</sup> (extra flexible) in accordance with ABNT NM 280 standard.

2-) **HEPR 90°C Insulation** - High Modulus Extruded Ethylene-Propylene-based Thermosetting Compound.

3-) **Cover:** SHF1 thermoplastic compound (LSHF), non-halogenated, flame retardant, with low smoke and toxic gas emission.

### **Mechanical characteristics:**

- Good mechanical resistance to impacts
- Good cable flexibility
- Min. bending radius: 8 (xD)

**Voltage rating:** 0.6/1kV

### Identification



## INSULATION COLOUR

**1 Conductor: White ;**

**2 Conductor: Blue and black;**

**3-leaders: Blue, black and white;**

**4 Conductors: Blue, black, white and red.**

**\* The insulation colours may vary according to customer request and in accordance with item 11.3 of the NBR 6251 standard.**

## COLOUR OF THE COVER

**1 Conductor: Black, blue, green, white or red;**

**2 Conductor: Black;**

**3 Conductor: Black;**

**4 Conductor: Black.**

**- OTHER COLOURS ON REQUEST.**

### Applicable Specifications

**IEC 60502-1**

**VDE0274 Part 604**

**HD 604 S1**

innovcable



**DIN EN 50267 - Halogen-free**

**IEC 60754 - Halogen free**

**ABNT NBR NM 280**

**BS EN 60228**

**BS 5099**

**BS EN 62230**

**DIN EN 61034 - Smoke density**

## Applications

**Can be used in all types of indoor and fixed installations, suitable for locations with high occupancy density and/or difficult escape conditions, such as shopping malls, hotels, hospitals, schools, theatres, football stadiums, etc. Does not propagate flames, halogen free and with low emission of smoke and toxic gases. Does not contain lead Free of heavy metals**

## Maximum Conductor Temperature

- **Permanent operation: 90 °C**
- **Overload rating: 130 °C**
- **Short-circuit rating: 250 °C**

## Notes



- The dimensions shown are nominal and therefore subject to normal manufacturing tolerances;
- It may be manufactured in another section, dimensional or material at the customer's request.
- Innovcable reserves the right to modify this catalogue without prior notice.



Cabo Unipolar					
Seção (mm²)	Diâmetro do Condutor (mm)	Espessura da Isolação (mm)	Espessura da Cobertura (mm)	Diâmetro Externo (mm)	Peso Nominal (kg/km)
1,5	1,51	0,7	0,9	4,9	32,5
2,5	1,96	0,7	0,9	5,3	43,2
4	2,48	0,7	0,9	5,9	58,1
6	3,03	0,7	0,9	6,4	77,1
10	3,99	0,7	1,0	7,6	120
16	5,01	0,7	1,0	8,7	173
25	6,19	0,9	1,1	10,5	262
35	7,37	0,9	1,1	11,7	352
50	8,86	1,0	1,2	13,7	495
70	10,6	1,1	1,2	15,7	679
95	12,15	1,1	1,3	17,5	880
120	13,95	1,2	1,3	19,5	1.109
150	16,1	1,4	1,4	22,4	1.388
185	17,2	1,6	1,4	23,9	1.669
240	20,2	1,7	1,5	27,4	2.196
300	21,75	1,8	1,6	29,4	2.713
400	25,75	2,0	1,7	34,1	3.560
500	28,21	2,2	1,8	37,3	4.467

2 Condutores					
Seção (mm²)	Diâmetro do Condutor (mm)	Espessura da Isolação (mm)	Espessura da Cobertura (mm)	Diâmetro Externo (mm)	Peso Nominal (kg/km)
1,5	1,51	0,7	1,0	8,1	80,7
2,5	1,96	0,7	1,0	9,1	108
4	2,48	0,7	1,1	10,2	150
6	3,03	0,7	1,1	11,4	198
10	3,99	0,7	1,2	13,5	302
16	5,01	0,7	1,2	15,8	433
25	6,19	0,9	1,4	19,3	655
35	7,37	0,9	1,4	21,9	886
50	8,86	1,0	1,6	25,6	1.238
70	10,6	1,1	1,7	29,9	1.712



3 Condutores					
Seção (mm²)	Diâmetro do Condutor (mm)	Espessura da Isolação (mm)	Espessura da Cobertura (mm)	Diâmetro Externo (mm)	Peso Nominal (kg/km)
1,5	1,51	0,7	1,0	8,6	95,5
2,5	1,96	0,7	1,1	9,6	131
4	2,48	0,7	1,1	10,9	184
6	3,03	0,7	1,1	12,2	247
10	3,99	0,7	1,2	14,5	385
16	5,01	0,7	1,3	16,9	559
25	6,19	0,9	1,4	20,7	859
35	7,37	0,9	1,5	23,5	1.159
50	8,86	1,0	1,6	27,5	1.640
70	10,6	1,1	1,8	32,1	2.273

4 condutores					
Seção (mm²)	Diâmetro do Condutor (mm)	Espessura da Isolação (mm)	Espessura da Cobertura (mm)	Diâmetro Externo (mm)	Peso Nominal (kg/km)
1,5	1,51	0,7	1,0	9,4	115
2,5	1,96	0,7	1,1	10,6	165
4	2,48	0,7	1,1	12,0	227
6	3,03	0,7	1,2	13,4	314
10	3,99	0,7	1,3	16,0	482
16	5,01	0,7	1,3	18,7	715
25	6,19	0,9	1,5	22,9	1.087
35	7,37	0,9	1,6	26,0	1.485
50	8,86	1,0	1,7	30,5	2.087
70	10,6	1,1	1,9	35,6	2.916