



**Code:** NLSY **Standard:** TSE K 374, VDE 0245-201

**Y** : PVC

**NLSY-OB** : Cables without number, with different colored cores

**NLSY-JB** : Cables without number, with different colored cores and cables with ground core (Yellow / Green)

**NLSY-OZ** : White numbered core cables on insulated black

**NLSY-JZ** : White numbered core cables on insulated black and cables with ground core (Yellow / Green)

**Technical Properties**

- Operating Temperature : -5 °C / + 70 °C
- Storage Temperature : -30 °C / + 70 °C
- Min. bending radius (fixed) : 7,5 x D
- Min. bending radius (moved) : 15 x D

**Fire Performance Tests**

Vertical Flame Spread / EN 60332-1-2, IEC 60332-1-2, DIN EN 60332-1-2 (VDE 0482-332-1-2)

**Construction**

- 1- Flexible copper conductor / Class 5 (EN 60228, IEC 60228, DIN VDE 0295)
- 2- PVC insulation (EN 50363-3, DIN EN 50363-3, VDE 0207-363-3)
- 3- Single twist in layers
- 4- Separator tape
- 5- PVC Sheath (EN 50363-4-1, DIN EN 50363-4-1, VDE 0207-363-4-1)

**Electrical Properties**

Cross-Section (mm <sup>2</sup> )	Conductor Resistance (Ω/km)	Max. Transfer Impedance at 30 Mhz (Ω/km)
39,0	0,5	250
26,0	0,75	250
19,5	1	250
13,3	1,5	250

**Applications**

Appropriate for use in narrow space implementations thanks to its flexible structure, these cables can be used in internal places, instrument and control engineering, industrial electronics, manufacture and mounting lines, measure-purpose and control-purpose machine manufacture, dry or humid places and in places with no mechanical stress.

Number of Cores and Cross-Section	Outer Diameter (Approx)	Copper Weight (Approx)	Cable Weight (Approx)	Conductor Resistance (max.)	Operating Voltage	Delivery Length
mm <sup>2</sup>	mm	kg/km	kg/km	Ω/km	(U0/U) V	m
2x0,5	4,7	8,3	27	39,0	300/300	500 / 1000
3x0,5	5,0	12,5	35	39,0	300/300	500 / 1000
4x0,5	5,5	16,6	43	39,0	300/300	500 / 1000
5x0,5	5,9	20,8	53	39,0	300/300	500 / 1000
7x0,5	6,5	29,1	67	39,0	300/300	500 / 1000
12x0,5	8,7	49,9	112	39,0	300/300	500 / 1000
18x0,5	10,1	74,9	161	39,0	300/300	500 / 1000
25x0,5	11,8	104,0	214	39,0	300/300	500 / 1000
34x0,5	13,5	141,4	289	39,0	300/300	500 / 1000
50x0,5	16,4	208,0	422	39,0	300/300	500 / 1000
60x0,5	17,4	249,6	493	39,0	300/300	500 / 1000

Number of Cores and Cross-Section	Outer Diameter (Approx)	Copper Weight (Approx)	Cable Weight (Approx)	Conductor Resistance (max.)	Operating Voltage	Delivery Length
mm <sup>2</sup>	mm	kg/km	kg/km	Ω/km	(U0/U) V	m
2x0,75	5,1	12,5	33	26,0	300/300	500 / 1000
3x0,75	5,4	18,7	44	26,0	300/300	500 / 1000
4x0,75	5,9	25,0	55	26,0	300/300	500 / 1000
5x0,75	6,5	31,2	67	26,0	300/300	500 / 1000
7x0,75	7,3	43,7	90	26,0	300/300	500 / 1000
12x0,75	9,5	74,9	145	26,0	300/300	500 / 1000
18x0,75	11,1	112,4	210	26,0	300/300	500 / 1000
25x0,75	13,0	156,1	280	26,0	300/300	500 / 1000
34x0,75	15,3	212,3	396	26,0	300/300	500 / 1000
50x0,75	18,0	312,2	556	26,0	300/300	500 / 1000
60x0,75	19,2	374,7	652	26,0	300/300	500 / 1000
2x1,0	5,5	16,7	39	19,5	300/300	500 / 1000
3x1,0	5,8	25,0	52	19,5	300/300	500 / 1000
4x1,0	6,4	33,3	66	19,5	300/300	500 / 1000
5x1,0	7,0	41,6	81	19,5	300/300	500 / 1000
7x1,0	7,8	58,3	109	19,5	300/300	500 / 1000
12x1,0	10,2	100,0	178	19,5	300/300	500 / 1000
18x1,0	12,0	149,9	259	19,5	300/300	500 / 1000
25x1,0	14,5	208,2	360	19,5	300/300	500 / 1000
34x1,0	16,6	283,2	487	19,5	300/300	500 / 1000
50x1,0	19,6	416,5	687	19,5	300/300	500 / 1000
60x1,0	21,2	499,8	829	19,5	300/300	500 / 1000
2x1,5	6,5	24,4	54	13,3	300/300	500 / 1000
3x1,5	6,9	36,6	73	13,3	300/300	500 / 1000
4x1,5	7,6	48,9	93	13,3	300/300	500 / 1000
5x1,5	8,5	61,1	119	13,3	300/300	500 / 1000
7x1,5	9,3	85,5	155	13,3	300/300	500 / 1000
12x1,5	12,3	146,6	254	13,3	300/300	500 / 1000
18x1,5	14,8	219,8	388	13,3	300/300	500 / 1000
25x1,5	17,4	305,3	518	13,3	300/300	500 / 1000
34x1,5	20,0	415,3	704	13,3	300/300	500 / 1000
50x1,5	24,1	610,7	1022	13,3	300/300	500 / 1000
60x1,5	25,6	732,8	1202	13,3	300/300	500 / 1000