



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

- Y** : PVC
- C** : Braid Screen
- NLSCY-OB** : Cables without number, with different colored cores
- NLSCY-JB** : Cables without number, with different colored cores and cables with ground core (Yellow / Green)
- NLSCY-OZ** : White numbered core cables on insulated black
- NLSCY-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)

Electrical Properties

Cross-Section (mm ²)	Conductor Resistance (Ω/km)
0,5	39,0
0,75	26,0
1	19,5
1,5	13,3

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- Tinned Copper Wire Braid Screen
- 6- PVC Sheath (EN 50363-4-1, DIN EN 50363-4-1, VDE 0207-363-4-1)

Applications

Appropriate for use in narrow space implementations thanks to its flexible structure, these cables can be used in places with electromagnetics interference, 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 ²	mm	kg/km	kg/km	Ω/km	(U0/U) V	m
2x0,5	5,1	18,9	39	39,0	300/300	500 / 1000
3x0,5	5,4	23,8	47	39,0	300/300	500 / 1000
4x0,5	5,9	29,2	57	39,0	300/300	500 / 1000
5x0,5	6,3	34,8	68	39,0	300/300	500 / 1000
7x0,5	7,1	44,6	87	39,0	300/300	500 / 1000
12x0,5	9,1	71,0	135	39,0	300/300	500 / 1000
18x0,5	10,5	99,9	188	39,0	300/300	500 / 1000
25x0,5	12,2	134,7	246	39,0	300/300	500 / 1000
34x0,5	13,9	177,1	326	39,0	300/300	500 / 1000
50x0,5	17,0	271,3	488	39,0	300/300	500 / 1000
60x0,5	18,0	320,5	567	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 ²	mm	kg/km	kg/km	Ω/km	(U0/U) V	m
2x0,75	5,5	24,1	46	26,0	300/300	500 / 1000
3x0,75	5,8	31,3	57	26,0	300/300	500 / 1000
4x0,75	6,3	39,0	70	26,0	300/300	500 / 1000
5x0,75	6,9	46,7	84	26,0	300/300	500 / 1000
7x0,75	7,7	61,0	109	26,0	300/300	500 / 1000
12x0,75	9,9	98,8	171	26,0	300/300	500 / 1000
18x0,75	11,5	140,5	240	26,0	300/300	500 / 1000
25x0,75	13,4	190,8	316	26,0	300/300	500 / 1000
34x0,75	15,7	250,7	436	26,0	300/300	500 / 1000
50x0,75	18,6	384,8	631	26,0	300/300	500 / 1000
60x0,75	19,8	450,2	731	26,0	300/300	500 / 1000
2x1,0	5,9	29,3	53	19,5	300/300	500 / 1000
3x1,0	6,2	38,7	67	19,5	300/300	500 / 1000
4x1,0	6,8	48,6	82	19,5	300/300	500 / 1000
5x1,0	7,6	58,8	103	19,5	300/300	500 / 1000
7x1,0	8,2	77,1	129	19,5	300/300	500 / 1000
12x1,0	10,6	125,3	204	19,5	300/300	500 / 1000
18x1,0	12,4	180,9	291	19,5	300/300	500 / 1000
25x1,0	14,9	244,9	399	19,5	300/300	500 / 1000
34x1,0	17,2	347,0	553	19,5	300/300	500 / 1000
50x1,0	20,2	493,1	766	19,5	300/300	500 / 1000
60x1,0	21,8	587,4	920	19,5	300/300	500 / 1000
2x1,5	6,9	39,9	71	13,3	300/300	500 / 1000
3x1,5	7,5	53,6	95	13,3	300/300	500 / 1000
4x1,5	8,2	67,2	116	13,3	300/300	500 / 1000
5x1,5	8,9	81,9	142	13,3	300/300	500 / 1000
7x1,5	9,7	108,9	180	13,3	300/300	500 / 1000
12x1,5	12,7	178,0	287	13,3	300/300	500 / 1000
18x1,5	15,2	257,2	427	13,3	300/300	500 / 1000
25x1,5	18,0	376,4	592	13,3	300/300	500 / 1000
34x1,5	20,6	493,0	785	13,3	300/300	500 / 1000
50x1,5	24,7	705,1	1120	13,3	300/300	500 / 1000
60x1,5	26,2	836,9	1309	13,3	300/300	500 / 1000