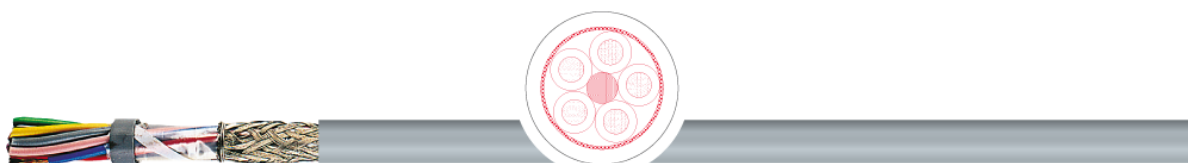




DIN47100 or IEC, 300V, shielded, UL/CSA



APPLICATION

UL/CSA approved data transmission cable, control and connecting cable predominantly for transmission of analog and digital signals in process controlled facilities in measurement and control technology for lossless data and signal transmission. For fixed laying and flexible applications with undefined cable routing and without tensile stress. Suitable for use in dry and humid rooms. Outdoor use only with UV-protection, no laying underground.



SPECIAL FEATURES

- largely resistant to acids, bases and specified types of oil
- LABS-/silicone-free (during production)
- recommended for EMC-applications
- capable for soldering, crimp and cut-and-clamp

PRODUCT DETAILS

DESIGN

Conductor material	copper strand tinned
Conductor class	7 resp. 19 wires
Core insulation	PVC
Core identification	acc. to DIN 47100 with grey outer sheath acc. to IC colour-code with black outer sheath
Stranding	stranded in layers
Overall shield	copper braid tinned; coverage approx. 85%
Outer sheath material	PVC
Sheath colour	grey or black

ELECTRICAL PROPERTIES

Rated voltage AC IEC	300 V
Testing voltage	core/core: 2.0 kV; core/shield: 1.5 kV
Conductor resistance	acc. to IEC 60228 cl. 2
Insulation resistance	min. 20 MΩ x km bei 20 °C
Current carrying capacity	acc. to DIN VDE, s. Techn. Guidelines
Capacity	core/core ca. 120 nF/Km; core/shield ca. 160 nF/km

MECHANICAL & DYNAMIC PROPERTIES

Min. bending radius fixed	7,5 x d
Min. bending radius moved	15 x d

THERMAL PROPERTIES

Operat. temp. fixed min./max. [°C]	-30 °C / +80 °C
Operat. temp. moved min/max [°C]	-5 °C / +80 °C

PROPERTIES IN CASE OF FIRE

Burning behavior

self-extinguishing & flame-retardant acc.to IEC 60332-1

STANDARDS & APPROVALS

Standard

UL style 1061, UL style 2464 and CSA AWM I/II A

Approvals

UL/CSA: 80 °C - 300 V

ITEM OVERVIEW

ELITRONIC-CY LIYCY UL/CSA - DIN47100, grau / grey

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
0503757	2 X AWG 26/7 (0,14 mm ²)	4,2	14,5	20,0
0503758	3 X AWG 26/7 (0,14 mm ²)	4,3	15,5	28,0
0503759	4 X AWG 26/7 (0,14 mm ²)	4,6	16,8	33,0
0503760	5 X AWG 26/7 (0,14 mm ²)	4,9	18,0	38,0
0503761	6 X AWG 26/7 (0,14 mm ²)	5,2	24,5	44,0
0503762	8 X AWG 26/7 (0,14 mm ²)	5,6	23,7	56,0
0503763	10 X AWG 26/7 (0,14 mm ²)	6,2	31,0	66,0
0503765	12 X AWG 26/7 (0,14 mm ²)	6,4	32,9	78,0
0503766	16 X AWG 26/7 (0,14 mm ²)	7,0	45,5	90,0
0503767	18 X AWG 26/7 (0,14 mm ²)	7,3	51,3	104,0
0503768	24 X AWG 26/7 (0,14 mm ²)	8,4	65,5	149,0
0501969	25 X AWG 26/7 (0,14 mm ²)	8,4	67,5	131,0
0506374	37 X AWG 26/7 (0,14 mm ²)	9,6	79,0	230,0
0502366	2 X AWG 24/7 (0,23 mm ²)	4,6	16,0	32,0
0506667	3 X AWG 24/7 (0,23 mm ²)	4,7	21,0	37,0
0506606	4 X AWG 24/7 (0,23 mm ²)	5,0	24,0	41,3
0503217	5 X AWG 24/7 (0,23 mm ²)	5,4	29,0	51,2
0503773	6 X AWG 24/7 (0,23 mm ²)	5,9	30,0	58,0
0506387	8 X AWG 24/7 (0,23 mm ²)	6,2	42,0	73,0
0503775	10 X AWG 24/7 (0,23 mm ²)	7,0	46,0	82,0
0506388	12 X AWG 24/7 (0,23 mm ²)	7,4	59,0	145,0
0503777	16 X AWG 24/7 (0,23 mm ²)	8,1	64,0	124,0
0503654	18 X AWG 24/7 (0,23 mm ²)	8,5	83,0	143,0
0503779	24 X AWG 24/7 (0,23 mm ²)	9,8	114,0	172,0
0503780	2 X AWG 22/7 (0,34 mm ²)	4,8	14,9	32,0
0506981	3 X AWG 22/7 (0,34 mm ²)	4,9	18,5	38,0
0502484	4 X AWG 22/7 (0,34 mm ²)	5,3	24,8	44,0
0506733	5 X AWG 22/7 (0,34 mm ²)	5,8	28,3	53,0
0506734	7 X AWG 22/7 (0,34 mm ²)	6,2	40,2	71,0
0503784	8 X AWG 22/7 (0,34 mm ²)	6,7	52,0	94,0
0507502	10 X AWG 22/7 (0,34 mm ²)	7,4	66,1	130,0
0506601	12 X AWG 22/7 (0,34 mm ²)	7,8	66,5	120,0
0506782	16 X AWG 22/7 (0,34 mm ²)	8,6	82,7	145,0
0503787	21 X AWG 22/7 (0,34 mm ²)	9,4	102,2	170,0
0503788	24 X AWG 22/7 (0,34 mm ²)	10,5	135,0	259,0
0500590	2 X AWG 20/7 (0,56 mm ²)	5,2	29,0	54,0
0503790	3 X AWG 20/7 (0,56 mm ²)	5,4	38,0	67,0
0503791	4 X AWG 20/7 (0,56 mm ²)	5,9	43,0	77,0
0503792	5 X AWG 20/7 (0,56 mm ²)	6,3	51,0	90,0
0503793	6 X AWG 20/7 (0,56 mm ²)	6,8	59,0	104,0
0506315	8 X AWG 20/7 (0,56 mm ²)	7,4	70,0	135,0
0503795	10 X AWG 20/7 (0,56 mm ²)	8,3	88,0	160,0
0503796	12 X AWG 20/7 (0,56 mm ²)	8,7	99,0	177,0
0503797	16 X AWG 20/7 (0,56 mm ²)	9,5	129,0	205,0
0503798	18 X AWG 20/7 (0,56 mm ²)	10,0	134,0	239,0
0506693	24 X AWG 20/7 (0,56 mm ²)	11,6	211,0	352,0
0500846	2 X AWG 18/19 (1,0 mm ²)	5,9	43,0	72,0
0503801	3 X AWG 18/19 (1,0 mm ²)	6,1	56,0	90,0
0503802	4 X AWG 18/19 (1,0 mm ²)	6,6	68,0	109,0
0503803	6 X AWG 18/19 (1,0 mm ²)	7,8	118,0	171,0
0503804	8 X AWG 18/19 (1,0 mm ²)	8,4	140,0	228,0
0506697	5 X AWG 26/7 (0,14 mm ²)	4,9	18,0	38,0
0506696	16 X AWG 26/7 (0,14 mm ²)	7,0	45,5	90,0

ELITRONIC-CY LIYCY UL/CSA - IC, schwarz / black

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
0503715	2 X AWG 26/7 (0,14 mm ²)	4,2	14,5	20,0
0501828	3 X AWG 26/7 (0,14 mm ²)	4,3	15,5	28,0
0503717	4 X AWG 26/7 (0,14 mm ²)	4,6	16,8	33,0
0503718	5 X AWG 26/7 (0,14 mm ²)	4,9	18,0	38,0
0503719	6 X AWG 26/7 (0,14 mm ²)	5,2	24,5	44,0
0503720	8 X AWG 26/7 (0,14 mm ²)	5,6	23,7	56,0
0503721	10 X AWG 26/7 (0,14 mm ²)	6,2	31,0	66,0
0503722	12 X AWG 26/7 (0,14 mm ²)	6,4	32,9	78,0
0502418	16 X AWG 26/7 (0,14 mm ²)	7,0	45,5	90,0
0503723	18 X AWG 26/7 (0,14 mm ²)	7,3	51,3	104,0
0503724	24 X AWG 26/7 (0,14 mm ²)	8,4	65,5	149,0
0503249	2 X AWG 24/7 (0,23 mm ²)	4,6	16,0	32,0
0506662	3 X AWG 24/7 (0,23 mm ²)	4,7	21,0	37,0
0506575	4 X AWG 24/7 (0,23 mm ²)	5,0	24,0	41,3
0503726	5 X AWG 24/7 (0,23 mm ²)	5,4	29,0	51,2
0501917	6 X AWG 24/7 (0,23 mm ²)	5,9	30,0	58,0
0503727	8 X AWG 24/7 (0,23 mm ²)	6,2	42,0	73,0
0503728	10 X AWG 24/7 (0,23 mm ²)	7,0	46,0	82,0
0503729	12 X AWG 24/7 (0,23 mm ²)	7,4	59,0	145,0
0503730	16 X AWG 24/7 (0,23 mm ²)	8,1	64,0	124,0
0503731	18 X AWG 24/7 (0,23 mm ²)	8,5	83,0	143,0
0503732	24 X AWG 24/7 (0,23 mm ²)	9,8	114,0	172,0
0503733	2 X AWG 22/7 (0,34 mm ²)	4,8	14,9	32,0
0503734	3 X AWG 22/7 (0,34 mm ²)	4,9	18,5	38,0
0503735	4 X AWG 22/7 (0,34 mm ²)	5,3	24,8	44,0
0503655	5 X AWG 22/7 (0,34 mm ²)	5,8	28,3	53,0
0503737	7 X AWG 22/7 (0,34 mm ²)	6,2	40,2	71,0
0503738	8 X AWG 22/7 (0,34 mm ²)	6,7	52,0	94,0
0503739	12 X AWG 22/7 (0,34 mm ²)	7,8	66,5	120,0
0503740	16 X AWG 22/7 (0,34 mm ²)	8,6	82,7	145,0
0503741	21 X AWG 22/7 (0,34 mm ²)	9,4	102,2	170,0
0503742	24 X AWG 22/7 (0,34 mm ²)	10,5	135,0	259,0
0501572	2 X AWG 20/7 (0,56 mm ²)	5,2	29,0	54,0
0501890	3 X AWG 20/7 (0,56 mm ²)	5,4	38,0	67,0
0500621	4 X AWG 20/7 (0,56 mm ²)	5,9	43,0	77,0
0503746	5 X AWG 20/7 (0,56 mm ²)	6,3	51,0	90,0
0503747	6 X AWG 20/7 (0,56 mm ²)	6,8	59,0	104,0
0501713	8 X AWG 20/7 (0,56 mm ²)	7,4	70,0	135,0
0503748	10 X AWG 20/7 (0,56 mm ²)	8,3	88,0	160,0
0503749	12 X AWG 20/7 (0,56 mm ²)	8,7	99,0	177,0
0501840	16 X AWG 20/7 (0,56 mm ²)	9,5	129,0	205,0
0503750	18 X AWG 20/7 (0,56 mm ²)	10,0	134,0	239,0
0503751	24 X AWG 20/7 (0,56 mm ²)	11,6	211,0	352,0
0501514	2 X AWG 18/19 (1,0 mm ²)	5,9	43,0	72,0
0503753	3 X AWG 18/19 (1,0 mm ²)	6,1	56,0	90,0
0503754	4 X AWG 18/19 (1,0 mm ²)	6,6	68,0	109,0
0503755	6 X AWG 18/19 (1,0 mm ²)	7,8	118,0	171,0
0506819	8 X AWG 18/19 (1,0 mm ²)	8,4	140,0	228,0
0501145	12 X AWG 18/19 (1,0 mm ²)	11,2	152,8	330,0