

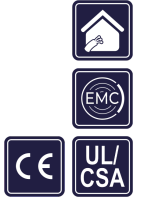


DIN47100 or IEC, 300V, shielded, twisted pairs, UL/CSA

**TKD**  
 an INFINIT® brand


## 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

- twisted pairs
- 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 wired
Core insulation	PVC
Core identification	acc. to DIN 47100 with grey outer sheath acc. to IC colour-code with black outer sheath
Stranding	2 cores twisted to a pair; pairs stranded in layers
Protection against contact	plastic foil
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	10 x d
Min. bending radius moved	20 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 &amp; 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****PAARTRONIC-CY LIYCY (TP) UL/CSA - DIN47100, grau / grey**

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
0506732	2 X 2 X AWG 26/7 (0,14 mm <sup>2</sup> )	5,7	19,5	45,9
0506384	4 X 2 X AWG 26/7 (0,14 mm <sup>2</sup> )	6,1	26,9	52,5
0503915	5 X 2 X AWG 26/7 (0,14 mm <sup>2</sup> )	6,8	39,5	68,9
0503916	8 X 2 X AWG 26/7 (0,14 mm <sup>2</sup> )	8,1	53,0	95,1
0503917	10 X 2 X AWG 26/7 (0,14 mm <sup>2</sup> )	8,6	71,4	111,6
0503918	12 X 2 X AWG 26/7 (0,14 mm <sup>2</sup> )	9,5	78,2	124,7
0503919	16 X 2 X AWG 26/7 (0,14 mm <sup>2</sup> )	10,6	118,3	150,9
0503920	18 X 2 X AWG 26/7 (0,14 mm <sup>2</sup> )	10,7	127,8	167,3
0503921	26 X 2 X AWG 26/7 (0,14 mm <sup>2</sup> )	12,3	167,2	240,0
0503922	2 X 2 X AWG 24/7 (0,23 mm <sup>2</sup> )	6,5	24,5	57,0
0506383	3 X 2 X AWG 24/7 (0,23 mm <sup>2</sup> )	6,8	28,9	62,0
0506558	4 X 2 X AWG 24/7 (0,23 mm <sup>2</sup> )	6,9	33,5	70,0
0503924	5 X 2 X AWG 24/7 (0,23 mm <sup>2</sup> )	7,9	46,3	91,0
0503925	2 X 2 X AWG 22/7 (0,34 mm <sup>2</sup> )	7,0	27,7	45,0
0503926	3 X 2 X AWG 22/7 (0,34 mm <sup>2</sup> )	7,3	34,4	64,0
0503927	4 X 2 X AWG 22/7 (0,34 mm <sup>2</sup> )	7,4	41,5	75,0
0506596	2 X 2 X AWG 20/7 (0,56 mm <sup>2</sup> )	8,0	49,7	93,0
0506317	3 X 2 X AWG 20/7 (0,56 mm <sup>2</sup> )	8,3	58,4	102,0
0503930	4 X 2 X AWG 20/7 (0,56 mm <sup>2</sup> )	8,5	71,5	120,0
0506860	1 X 2 X AWG 19/7 (0,75 mm <sup>2</sup> )	6,3	33,0	70,0
0506655	2 X 2 X AWG 19/7 (0,75 mm <sup>2</sup> )	8,0	64,2	140,0

**PAARTRONIC-CY LIYCY (TP) UL/CSA - IC, schwarz / black**

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
0503895	2 X 2 X AWG 26/7 (0,14 mm <sup>2</sup> )	5,7	19,5	45,9
0503896	4 X 2 X AWG 26/7 (0,14 mm <sup>2</sup> )	6,1	26,9	52,5
0503897	5 X 2 X AWG 26/7 (0,14 mm <sup>2</sup> )	6,8	39,5	68,9
0503898	8 X 2 X AWG 26/7 (0,14 mm <sup>2</sup> )	8,1	53,0	95,1
0503899	10 X 2 X AWG 26/7 (0,14 mm <sup>2</sup> )	8,6	71,4	111,6
0503900	12 X 2 X AWG 26/7 (0,14 mm <sup>2</sup> )	9,5	78,2	124,7
0503901	16 X 2 X AWG 26/7 (0,14 mm <sup>2</sup> )	10,6	118,3	150,9
0503902	18 X 2 X AWG 26/7 (0,14 mm <sup>2</sup> )	10,7	127,8	167,3
0503903	26 X 2 X AWG 26/7 (0,14 mm <sup>2</sup> )	12,3	167,2	240,0
0506577	2 X 2 X AWG 24/7 (0,23 mm <sup>2</sup> )	6,5	24,5	57,0
0503904	3 X 2 X AWG 24/7 (0,23 mm <sup>2</sup> )	6,8	28,9	62,0
0503905	4 X 2 X AWG 24/7 (0,23 mm <sup>2</sup> )	6,9	33,5	70,0
0503906	5 X 2 X AWG 24/7 (0,23 mm <sup>2</sup> )	7,9	46,3	91,0
0503653	2 X 2 X AWG 22/7 (0,34 mm <sup>2</sup> )	7,0	27,7	45,0
0503908	3 X 2 X AWG 22/7 (0,34 mm <sup>2</sup> )	7,3	34,4	64,0
0503909	4 X 2 X AWG 22/7 (0,34 mm <sup>2</sup> )	7,4	41,5	75,0
0503910	2 X 2 X AWG 20/7 (0,56 mm <sup>2</sup> )	8,0	49,7	93,0
0503911	3 X 2 X AWG 20/7 (0,56 mm <sup>2</sup> )	8,3	58,4	102,0
0503912	4 X 2 X AWG 20/7 (0,56 mm <sup>2</sup> )	8,5	71,5	120,0
0503913	2 X 2 X AWG 19/7 (0,75 mm <sup>2</sup> )	8,0	64,2	140,0