



## USE OF CABLE

data transmission cable, control and connecting cable especially for cabling with high data transfer rates up to 10 Mb/s, 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
- suitable for maxi-termi-point applications by 7 wire conductors <math>< 1 \text{ mm}^2</math>

## REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- \*: DATEX-CYv + UV LI2YCYv (TP) for indoor and outdoor use as well as laying directly underground
- We are pleased to produce special versions, other dimensions, core and jacket colours on request.

## PRODUCT INFORMATION

Conductor material:	Bare copper strand
Conductor class:	7 wired
Core insulation:	PE
Core identification:	Acc. to DIN 47100 different colours
Stranding:	Pairs stranded in layers
Shield3:	Copper braid tinned; coverage approx. 85%
Outer sheath:	PVC
Sheath colour:	Grey, RAL 7032 (CY) and black, RAL 9005 (CYv)
Rated voltage:	250 V
Testing voltage:	Core/core: 2 kV; core/shield: 1 kV
Conductor resistance:	Loop: 0,22 mm <sup>2</sup> max. 186 Ω / km; 0,34 mm <sup>2</sup> max. 115 Ω / km; 0,50 mm <sup>2</sup> max. 78,4 Ω / km
Insulation resistance:	Min 5 GΩ x km
Current-carrying-capacity:	Acc. to DIN VDE, s. Techn. Guidelines
Capacity:	Max. 60 nF/km (from 4 pairs)
Min. bending radius fixed:	10 x d
Min. bending radius moved:	15 x d
Operat. temp. fixed min/max:	-30 °C / +80 °C
Operat. temp. moved min/max:	-5 °C / +70 °C
Burning behavior:	Flame-retardant acc. to IEC 60332-1-2
Standard:	Similar to DIN VDE 0812

## ITEM OVERVIEW

Product No.	Dimension [n x mm <sup>2</sup> ]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
0503931	2 X 2 X 0,22	7,0	20,00	41,00	grey	V1: DATEX-CY LI2YCY (TP)
0503652	3 X 2 X 0,22	7,1	26,00	61,00	grey	V1: DATEX-CY LI2YCY (TP)
0503932	4 X 2 X 0,22	7,3	31,00	76,00	grey	V1: DATEX-CY LI2YCY (TP)
0503933	8 X 2 X 0,22	9,1	54,00	118,00	grey	V1: DATEX-CY LI2YCY (TP)
0503934	10 X 2 X 0,22	10,4	65,00	149,00	grey	V1: DATEX-CY LI2YCY (TP)
0503935	1 X 2 X 0,34	5,8	20,00	40,00	grey	V1: DATEX-CY LI2YCY (TP)
0503936	2 X 2 X 0,34	8,3	29,00	62,00	grey	V1: DATEX-CY LI2YCY (TP)
0502403	3 X 2 X 0,34	8,4	38,00	72,00	grey	V1: DATEX-CY LI2YCY (TP)
0502461	4 X 2 X 0,34	8,7	47,00	87,00	grey	V1: DATEX-CY LI2YCY (TP)
0506844	8 X 2 X 0,34	11,0	78,00	150,00	grey	V1: DATEX-CY LI2YCY (TP)
0503937	10 X 2 X 0,34	13,0	113,00	186,00	grey	V1: DATEX-CY LI2YCY (TP)
0506318	1 X 2 X 0,5	6,3	28,00	56,00	grey	V1: DATEX-CY LI2YCY (TP)

# DATEX-CY LI2YCY (TP) / DATEX-CYv + UV LI2YCYv (TP)

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
0506342	2 X 2 X 0,5	7,5	41,90	80,00	grey	V1: DATEX-CY LI2YCY (TP)
1501810	3 X 2 X 0,5	9,3	60,00	98,00	grey	V1: DATEX-CY LI2YCY (TP)
0501839	4 X 2 X 0,5	9,6	79,00	119,00	grey	V1: DATEX-CY LI2YCY (TP)
0506378	8 X 2 X 0,5	12,7	106,00	213,00	grey	V1: DATEX-CY LI2YCY (TP)
0503938	10 X 2 X 0,5	14,8	148,00	258,00	grey	V1: DATEX-CY LI2YCY (TP)
0503939	2 X 2 X 0,22	8,6	20,00	46,00	black	V2: DATEX-CYv+UV LI2YCYv (TP)
0503669	3 X 2 X 0,22	8,7	26,00	67,00	black	V2: DATEX-CYv+UV LI2YCYv (TP)
0503940	4 X 2 X 0,22	8,9	31,00	83,00	black	V2: DATEX-CYv+UV LI2YCYv (TP)
0502462	8 X 2 X 0,22	10,7	54,00	129,00	black	V2: DATEX-CYv+UV LI2YCYv (TP)
0503941	10 X 2 X 0,22	12,0	65,00	164,00	black	V2: DATEX-CYv+UV LI2YCYv (TP)
0503942	1 X 2 X 0,34	7,4	20,00	44,00	black	V2: DATEX-CYv+UV LI2YCYv (TP)
2002128	2 X 2 X 0,34	9,9	29,00	68,00	black	V2: DATEX-CYv+UV LI2YCYv (TP)
0502309	3 X 2 X 0,34	10,0	38,00	79,00	black	V2: DATEX-CYv+UV LI2YCYv (TP)
0502635	4 X 2 X 0,34	10,3	47,00	95,00	black	V2: DATEX-CYv+UV LI2YCYv (TP)
0506501	8 X 2 X 0,34	12,6	78,00	165,00	black	V2: DATEX-CYv+UV LI2YCYv (TP)
0503943	10 X 2 X 0,34	14,2	113,00	204,00	black	V2: DATEX-CYv+UV LI2YCYv (TP)
0507230	1 X 2 X 0,5	7,9	28,00	61,00	black	V2: DATEX-CYv+UV LI2YCYv (TP)
0506355	2 X 2 X 0,5	9,8	41,90	93,00	black	V2: DATEX-CYv+UV LI2YCYv (TP)
0502460	3 X 2 X 0,5	10,9	60,00	109,00	black	V2: DATEX-CYv+UV LI2YCYv (TP)
0503321	4 X 2 X 0,5	11,4	79,00	178,00	black	V2: DATEX-CYv+UV LI2YCYv (TP)
0503122	8 X 2 X 0,5	13,9	147,00	234,00	black	V2: DATEX-CYv+UV LI2YCYv (TP)
0503245	10 X 2 X 0,5	16,0	161,00	284,00	black	V2: DATEX-CYv+UV LI2YCYv (TP)
0507294	4 X 2 X 0,75	11,7	96,00	179,00	black	V2: DATEX-CYv+UV LI2YCYv (TP)
0507523	2 X 2 X 1	10,6	72,00	163,70	black	V2: DATEX-CYv+UV LI2YCYv (TP)