



## 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

- shielded single pairs by aluminium foil-clad
- 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 7wire conductors <1 mm<sup>2</sup>

## REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- 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
Shield:	Pairs in metal-foil (PiMf) with subjacent tinned drain wire
Shield3:	Copper braid tinned; coverage approx. 85%
Outer sheath:	PVC
Sheath colour:	Grey, RAL 7032
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:	Up to 0,34 max. 70 nF/km; 0,5 mm <sup>2</sup> max. 75nF/km; 1,0 mm <sup>2</sup> max. 84nF/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
0507689	8 X 2 X 0,14	8,3	72,00	105,00	grey	V0: DATEX-PIMF-CY LI2YCY-PiMf
0502571	2 X 2 X 0,22	6,6	33,00	65,00	grey	V0: DATEX-PIMF-CY LI2YCY-PiMf
0502557	3 X 2 X 0,22	8,0	37,00	85,00	grey	V0: DATEX-PIMF-CY LI2YCY-PiMf
0501797	4 X 2 X 0,22	8,3	49,00	98,00	grey	V0: DATEX-PIMF-CY LI2YCY-PiMf
0506949	8 X 2 X 0,22	10,8	85,00	133,00	grey	V0: DATEX-PIMF-CY LI2YCY-PiMf
0506950	10 X 2 X 0,22	11,5	100,00	164,00	grey	V0: DATEX-PIMF-CY LI2YCY-PiMf
0502377	2 X 2 X 0,34	9,0	44,00	70,00	grey	V0: DATEX-PIMF-CY LI2YCY-PiMf
0502367	3 X 2 X 0,34	9,1	55,00	95,00	grey	V0: DATEX-PIMF-CY LI2YCY-PiMf
0502368	4 X 2 X 0,34	9,4	67,00	103,00	grey	V0: DATEX-PIMF-CY LI2YCY-PiMf
0502515	8 X 2 X 0,34	13,4	114,00	191,00	grey	V0: DATEX-PIMF-CY LI2YCY-PiMf
0506951	10 X 2 X 0,34	14,3	150,00	230,00	grey	V0: DATEX-PIMF-CY LI2YCY-PiMf

Product No.	Dimension [n x mm <sup>2</sup> ]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
0500067	2 X 2 X 0,5	8,8	47,00	108,00	grey	V0: DATEX-PIMF-CY LI2YCY-PiMf
0502372	3 X 2 X 0,5	10,0	64,00	116,00	grey	V0: DATEX-PIMF-CY LI2YCY-PiMf
0502002	4 X 2 X 0,5	10,4	81,00	145,00	grey	V0: DATEX-PIMF-CY LI2YCY-PiMf
0502301	5 X 2 X 0,5	11,3	98,00	167,00	grey	V0: DATEX-PIMF-CY LI2YCY-PiMf
0502297	6 X 2 X 0,5	13,0	150,00	229,00	grey	V0: DATEX-PIMF-CY LI2YCY-PiMf
0502300	8 X 2 X 0,5	14,9	162,00	271,00	grey	V0: DATEX-PIMF-CY LI2YCY-PiMf
0502399	10 X 2 X 0,5	15,9	202,00	327,00	grey	V0: DATEX-PIMF-CY LI2YCY-PiMf
0502003	4 X 2 X 0,75	14,0	141,00	240,00	grey	V0: DATEX-PIMF-CY LI2YCY-PiMf
0506803	8 X 2 X 0,75	17,2	246,00	415,00	grey	V0: DATEX-PIMF-CY LI2YCY-PiMf
0500382	10 X 2 X 0,75	18,2	305,00	505,00	grey	V0: DATEX-PIMF-CY LI2YCY-PiMf
0502514	2 X 2 X 1	11,7	70,00	126,00	grey	V0: DATEX-PIMF-CY LI2YCY-PiMf
0506952	3 X 2 X 1	11,8	97,00	156,00	grey	V0: DATEX-PIMF-CY LI2YCY-PiMf
0506338	4 X 2 X 1	12,7	186,00	233,00	grey	V0: DATEX-PIMF-CY LI2YCY-PiMf
0502395	10 X 2 X 1	19,7	332,00	492,00	grey	V0: DATEX-PIMF-CY LI2YCY-PiMf