

- 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 mm²

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- *: DATEX-CYv + UV LI2CYv (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.

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 ² max. 186 Ω / km; 0,34 mm ² max. 115 Ω / km; 0,50 mm ² 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

Product No.	Dimension [n x mm²]	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)