



USE OF CABLE

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 transmission of data and signals. 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
- free from lacquer damaging substances and silicone (during production)
- recommended for EMC-applications

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- also available as unscreened version
- We are pleased to produce special versions, other dimensions, core and jacket colours on request.

PRODUCT INFORMATION

Conductor material:	Bare copper strand
Conductor class:	Acc. to IEC 60228 cl. 5; exception: 0,34 mm ² , stranded (7 x 0,25 mm)
Core insulation:	PVC
Core identification:	Acc. to DIN 47100 different colours
Stranding:	2 cores twisted to a pair; pairs stranded in layers
Shield3:	Copper braid tinned; coverage approx. 85%
Outer sheath:	PVC
Sheath colour:	Grey, RAL 7032
Rated voltage:	250 V; peak-voltage on 0,14 mm ² : 350 V; > 0,14 mm ² : 500 V
Testing voltage:	On 0,14 mm ² core/core: 1,2 kV; core/shield: 1,0 kV > 0,14 mm ² : core/core: 1,5 kV; core/shield: 1,0 kV
Conductor resistance:	Acc. to IEC 60228 cl. 5
Insulation resistance:	Min. 20 MΩ x km
Current-carrying-capacity:	Acc. to DIN VDE, see Technical Guidelines
Capacity:	Core/core ca. 120 nF/km; core/shield ca. 160 nF/km
Min. bending radius fixed:	Up to 12 mm Ø: 5 x d; up to 20 mm Ø: 7,5 x d; > 20 mm Ø: 10 x d
Min. bending radius moved:	Up to 12 mm Ø: 10 x d; up to 20 mm Ø: 15 x d; > 20 mm Ø: 20 x d
Operat. temp. fixed min/max:	-30 °C / +80 °C
Operat. temp. moved min/max:	-5 °C / +70 °C
Burning behavior:	Self-extinguishing & flame-retardant acc.to IEC 60332-1
Standard:	Similar to DIN VDE 0812

ITEM OVERVIEW

Product No.	Dimension [n x mm ²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
0501160	2 X 2 X 0,14	5,4	24,60	39,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501173	3 X 2 X 0,14	5,6	28,50	48,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501187	4 X 2 X 0,14	5,9	33,50	54,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501193	5 X 2 X 0,14	6,4	41,00	71,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501200	6 X 2 X 0,14	7,2	48,50	85,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501215	7 X 2 X 0,14	7,6	51,00	85,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501218	8 X 2 X 0,14	7,8	53,70	97,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501089	10 X 2 X 0,14	8,7	59,00	110,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501102	12 X 2 X 0,14	9,0	69,50	122,00	grey	V0: PAARTRONIC-CY LIYCY (TP)

PAARTRONIC®-CY LIYCY (TP)

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
0501113	14 X 2 X 0,14	9,3	74,00	148,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501116	16 X 2 X 0,14	10,5	81,60	154,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501125	18 X 2 X 0,14	10,7	83,00	166,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501120	20 X 2 X 0,14	11,1	97,00	184,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501134	25 X 2 X 0,14	12,6	113,00	238,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501909	25 X 2 X 0,14	12,6	113,00	238,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501149	28 X 2 X 0,14	13,1	139,00	252,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501164	30 X 2 X 0,14	13,4	140,00	270,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0506937	30 X 2 X 0,14	13,4	140,00	270,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501165	32 X 2 X 0,14	13,6	150,00	288,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501171	36 X 2 X 0,14	14,2	168,00	324,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501150	2 X 2 X 0,25	6,3	30,30	54,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0507688	2 X 2 X 0,25	6,3	30,30	54,00	black	V0: PAARTRONIC-CY LIYCY (TP)
0501175	3 X 2 X 0,25	6,7	39,60	66,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501188	4 X 2 X 0,25	7,0	44,90	81,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501202	5 X 2 X 0,25	8,1	64,00	96,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501210	6 X 2 X 0,25	8,5	69,50	115,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501217	7 X 2 X 0,25	9,4	76,00	120,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501219	8 X 2 X 0,25	9,7	82,50	130,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501096	10 X 2 X 0,25	10,8	102,00	158,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501104	12 X 2 X 0,25	11,3	120,00	190,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501117	16 X 2 X 0,25	12,7	146,50	238,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501127	20 X 2 X 0,25	13,9	160,00	260,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501139	24 X 2 X 0,25	15,5	226,00	298,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0506938	24 X 2 X 0,25	15,5	226,00	298,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0502296	25 X 2 X 0,25	15,8	235,00	310,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501166	32 X 2 X 0,25	16,3	295,00	397,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501184	40 X 2 X 0,25	18,8	304,00	497,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501151	2 X 2 X 0,34	7,2	36,90	65,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501167	3 X 2 X 0,34	7,6	49,20	79,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501190	4 X 2 X 0,34	8,2	55,20	90,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501059	5 X 2 X 0,34	9,5	63,50	110,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501211	6 X 2 X 0,34	9,9	74,20	130,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0502293	7 X 2 X 0,34	10,0	79,50	145,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501220	8 X 2 X 0,34	11,3	88,40	150,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0506855	10 X 2 X 0,34	12,4	105,00	183,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501105	12 X 2 X 0,34	13,0	123,00	220,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501161	2 X 2 X 0,5	7,9	48,10	93,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501176	3 X 2 X 0,5	8,5	73,70	129,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501183	4 X 2 X 0,5	9,1	82,00	146,00	grey	V0: PAARTRONIC-CY LIYCY (TP)

PAARTRONIC®-CY LIYCY (TP)

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
0502572	5 X 2 X 0,5	9,9	105,00	165,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501203	6 X 2 X 0,5	10,8	110,00	198,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501221	8 X 2 X 0,5	12,4	147,00	259,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0506856	10 X 2 X 0,5	13,5	178,00	295,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501106	12 X 2 X 0,5	14,5	198,30	354,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501119	16 X 2 X 0,5	16,5	245,50	459,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501086	20 X 2 X 0,5	19,5	302,00	500,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501140	24 X 2 X 0,5	19,8	394,00	570,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0506939	24 X 2 X 0,5	19,8	394,00	570,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0507517	25 X 2 X 0,5	20,0	344,00	740,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0503597	1 X 2 X 0,75	5,8	35,00	53,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501154	2 X 2 X 0,75	8,4	64,60	106,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501170	3 X 2 X 0,75	8,9	84,00	140,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501194	4 X 2 X 0,75	10,2	108,00	179,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0502612	5 X 2 X 0,75	10,9	126,00	215,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501204	6 X 2 X 0,75	12,1	146,00	246,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501222	8 X 2 X 0,75	14,3	180,00	305,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501529	10 X 2 X 0,75	15,5	220,00	380,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501108	12 X 2 X 0,75	16,0	261,00	456,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501561	16 X 2 X 0,75	18,2	336,00	492,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501131	20 X 2 X 0,75	21,2	392,00	615,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0502533	24 X 2 X 0,75	24,4	490,00	738,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501156	2 X 2 X 1	9,5	84,00	142,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501180	3 X 2 X 1	10,1	96,00	173,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501196	4 X 2 X 1	10,5	121,00	212,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501554	5 X 2 X 1	12,2	161,00	266,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501213	6 X 2 X 1	13,5	203,00	300,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501224	8 X 2 X 1	15,1	240,00	400,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0506790	10 X 2 X 1	16,0	282,00	510,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501110	12 X 2 X 1	17,6	324,00	590,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501458	1 X 2 X 1,5	7,1	58,00	86,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501163	2 X 2 X 1,5	10,6	112,00	165,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501181	3 X 2 X 1,5	11,3	140,00	218,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501197	4 X 2 X 1,5	11,6	176,00	265,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0507260	5 X 2 X 1,5	13,4	212,00	310,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501214	6 X 2 X 1,5	15,5	280,00	482,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501225	8 X 2 X 1,5	16,5	322,00	642,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0506940	10 X 2 X 1,5	17,8	380,00	870,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0501111	12 X 2 X 1,5	19,3	442,00	939,00	grey	V0: PAARTRONIC-CY LIYCY (TP)
0507249	4 X 2 X 2,5	15,2	269,00	440,00	grey	V0: PAARTRONIC-CY LIYCY (TP)