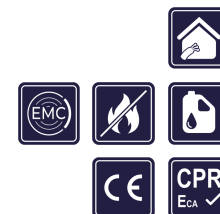




USE OF CABLE

exclusively for use in self-protective circuits, as impulse and data transmission cable, control and connecting cable 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
- for intrinsically safe electric circuits
- protection class "i" acc. to VDE 0165
- largely resistant to acids, bases and specified types of oil
- intrinsically safe systems are circuits where no spark and no thermic effect in normal operation or in failure can ignite explosive surrounding areas. These products are intended for use within <50 V AC resp. <75 V DC voltage. Therefore they are not subject to the EU Low Voltage Directive.

REMARKS

- conform to RoHS
- free from lacquer damaging substances and silicone (during production)
- recommended for EMC-applications
- also available: ÖPVC-JZ-YCY EB, ELITRONIC®-CY EB (DIN47100)

PRODUCT INFORMATION

Conductor material:	Bare copper strand
Conductor class:	Acc. to IEC 60228 cl. 5
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:	Blue, RAL 5015
Rated voltage:	Uo/U: 300/500 V (see special features)
Testing voltage:	Core/core: 1,5 kV; core/shield: 2 kV
Conductor resistance:	Acc. to IEC 60228 cl. 5
Insulation resistance:	Min. 20 MΩ x km
Current-carrying-capacity:	Acc. to DIN VDE, s. Techn. 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; > 12 mm Ø 7,5 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 mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
0501162	2 X 2 X 0,5	7,9	48,10	93,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0501147	3 X 2 X 0,5	8,5	73,70	129,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0501191	4 X 2 X 0,5	9,1	82,00	146,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0501152	6 X 2 X 0,5	10,8	110,00	198,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0507107	8 X 2 X 0,5	12,4	147,00	259,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0501153	12 X 2 X 0,5	14,5	198,30	354,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0502302	16 X 2 X 0,5	16,5	245,50	459,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0501157	24 X 2 X 0,5	19,8	394,00	570,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0501155	2 X 2 X 0,75	8,4	64,60	106,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0501178	3 X 2 X 0,75	8,9	84,00	140,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0501195	4 X 2 X 0,75	10,2	108,00	179,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
0501158	5 X 2 X 0,75	10,9	126,00	215,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0501212	6 X 2 X 0,75	12,1	146,00	246,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0501223	8 X 2 X 0,75	14,3	180,00	305,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0502633	10 X 2 X 0,75	16,0	220,00	380,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0501109	12 X 2 X 0,75	16,0	261,00	456,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0507384	14 X 2 X 0,75	17,5	264,00	470,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0501122	16 X 2 X 0,75	18,2	336,00	492,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0501132	20 X 2 X 0,75	21,1	405,00	680,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0507219	24 X 2 X 0,75	22,1	490,00	793,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0507382	2 X 2 X 1	9,5	84,00	142,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0501174	3 X 2 X 1	10,1	96,00	173,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0501192	4 X 2 X 1	10,5	121,00	212,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0501206	5 X 2 X 1	12,2	161,00	266,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0501207	8 X 2 X 1	15,1	240,00	400,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0501208	10 X 2 X 1	16,0	282,00	510,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0501209	12 X 2 X 1	17,6	324,00	590,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0501229	2 X 2 X 1,5	10,6	112,00	165,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0501230	3 X 2 X 1,5	11,3	140,00	218,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0501232	4 X 2 X 1,5	11,6	176,00	265,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0501233	5 X 2 X 1,5	13,4	212,00	310,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0501226	8 X 2 X 1,5	16,5	322,00	642,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0501239	10 X 2 X 1,5	17,8	380,00	870,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB
0501240	12 X 2 X 1,5	19,3	442,00	939,00	blue	V0: PAARTRONIC-CY LIYCY (TP) EB