



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

- 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), PAARTRONIC®-CY EB LIYCY (TP) (DIN47100)

PRODUCT INFORMATION

Conductor material:	Bare copper strand
Conductor class:	Acc. to IEC 60228 cl. 5
Core insulation:	PVC
Core identification:	Acc. to DIN VDE 0293 black cores with white numerals but without GNYE
Stranding:	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:	3 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
0500801	3 X 0,5	6,1	38,00	47,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0500812	4 X 0,5	6,3	43,00	63,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0507628	6 X 0,5	7,5	53,00	96,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0500788	2 X 0,75	6,2	43,00	56,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0500802	3 X 0,75	6,5	52,00	70,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0500813	4 X 0,75	7,0	61,00	95,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0500820	5 X 0,75	7,7	72,00	130,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0500830	7 X 0,75	8,3	89,00	168,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0502453	10 X 0,75	10,5	131,00	193,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0500758	12 X 0,75	10,9	138,00	232,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0500768	18 X 0,75	12,7	211,00	315,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
0500780	25 X 0,75	14,8	280,00	435,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0507623	34 X 0,75	17,2	350,00	523,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0507411	41 X 0,75	18,3	397,00	680,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0500792	2 X 1	6,5	51,00	84,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0500806	3 X 1	6,8	62,00	110,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0500818	4 X 1	7,3	74,00	130,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0500829	5 X 1	8,1	88,00	156,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0500840	7 X 1	8,8	112,00	192,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0500762	12 X 1	11,5	185,00	285,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0506717	18 X 1	13,9	268,00	395,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0500778	24 X 1	15,1	320,00	630,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0500785	25 X 1	15,9	354,00	656,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0507383	34 X 1	18,8	396,00	735,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0500791	2 X 1,5	7,1	65,00	84,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0500804	3 X 1,5	7,5	82,00	125,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0500817	4 X 1,5	8,2	100,00	165,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0500821	5 X 1,5	8,9	119,00	193,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0500839	7 X 1,5	9,9	154,00	245,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0500761	12 X 1,5	13,0	268,00	365,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0500770	18 X 1,5	15,6	373,00	553,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0500784	25 X 1,5	17,9	530,00	734,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB
0506948	34 X 1,5	20,8	683,00	944,00	blue	V0: ELITRONIC-OZ-CY LIYCY-OZ EB