



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

- single shielded pairs with contact protection by special PVC-insulation
- 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
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE

REMARKS

- conform to RoHS
- also available:
ELITRONIC®-CY-CY LIYCY-CY (with single shielded cores)
PAARTRONIC®-DY-CY LIYDY-CY (with spiral copper shield)
- 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; shielded pairs with sheath stranded in layers
Shield:	Copper braid pair-shield tinned; coverage approx. 85%
Inner sheath material:	PVC pair-sheathing over braid
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: 2kV > 0,14 mm ² : core/core: 1,5 kV; core/shield: 2kV
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; 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
0502588	2 X 2 X 0,14	7,7	46,00	100,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)
0500689	3 X 2 X 0,14	8,0	66,00	115,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)
0500682	4 X 2 X 0,14	8,6	86,00	150,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)
0506574	5 X 2 X 0,14	10,7	98,00	180,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)
0500687	6 X 2 X 0,14	11,0	104,00	208,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)
0506941	8 X 2 X 0,14	13,0	125,00	240,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)

PAARTRONIC®-CY-CY LIYCY-CY (TP)

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
0500668	2 X 2 X 0,25	9,5	59,00	120,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)
0500678	3 X 2 X 0,25	10,0	75,00	145,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)
0500683	4 X 2 X 0,25	11,2	93,00	180,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)
0506942	5 X 2 X 0,25	12,0	104,00	210,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)
0500688	6 X 2 X 0,25	13,5	130,00	260,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)
0502311	8 X 2 X 0,25	15,5	161,00	320,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)
0500664	12 X 2 X 0,25	18,5	239,00	430,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)
0506943	16 X 2 X 0,25	22,0	316,00	610,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)
0500676	24 X 2 X 0,25	26,0	442,00	750,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)
0507262	24 X 2 X 0,25	26,0	442,00	750,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)
0506944	32 X 2 X 0,25	29,4	588,00	865,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)
0507261	32 X 2 X 0,25	29,4	588,00	865,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)
0500669	2 X 2 X 0,34	12,7	67,00	135,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)
0506945	3 X 2 X 0,34	13,8	90,00	167,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)
0500685	4 X 2 X 0,34	15,6	111,00	224,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)
0506946	6 X 2 X 0,34	18,6	156,00	312,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)
0506947	8 X 2 X 0,34	20,8	185,00	360,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)
0500677	2 X 2 X 0,5	12,3	80,00	190,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)
0507693	3 X 2 X 0,5	12,3	106,00	190,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)
0500686	4 X 2 X 0,5	16,8	189,00	290,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)
0507614	6 X 2 X 0,5	15,6	202,00	319,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)
0507256	8 X 2 X 0,5	19,6	239,00	420,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)
0506339	2 X 2 X 0,75	12,2	95,00	179,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)
0502613	3 X 2 X 0,75	13,5	123,70	237,00	grey	V0: PAARTRONIC-CY-CY LIYCY-CY (TP)