

# PAAR-CY-OZ

flexible, Cu-screened, EMC-preferred type, meter marking



## Technical data

- Special-PVC control cable adapted to DIN VDE 0812, 0814
- **Temperature range**  
flexing -5°C to +80°C  
fixed installation -40°C to +80°C
- **Nominal voltage** U<sub>0</sub>/U 300/500 V
- **Test voltage**  
core/core 1200 V  
core/screen 800 V
- **Breakdown voltage** min. 2400 V
- **Insulation resistance**  
min. 20 MOhm x km
- **Mutual capacitance**  
core/core approx. 150 nF/km  
core/screen approx. 270 nF/km
- **Inductance** approx. 0,67 mH/km
- **Coupling resistance**  
max. 250 Ohm/km
- **Minimum bending radius**  
flexing 10x cable Ø  
fixed installation 5x cable Ø
- **Radiation resistance**  
up to 80x10<sup>6</sup> cJ/kg (up to 80 Mrad)

## Cable structure

- Bare copper-conductor, to DIN VDE 0295 cl.5, fine-wire, BS 6360 cl.5, IEC 60228 cl.5
- Core insulation of special PVC compound type T12 to DIN VDE 0207-363-3 / DIN EN 50363-3
- Core identification to DIN VDE 0293 black cores with continuous white numbering
- Cores stranded in pairs with optimal lay-length
- Pairs stranded in layers with optimal lay-length
- Foil wrapping
- Tinned copper braided screen, approx. 85% coverage
- Outer sheath of special PVC compound type TM2 to DIN VDE 0207-363-4-1/DIN EN 50363-4-1
- Sheath colour grey (RAL 7032)
- with meter marking

## Properties

- Extensively oil resistant, oil- / chemical Resistance - see table Technical Informations
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

## Tests

- PVC self-extinguishing and flame retardant acc. to DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)

## Note

- x = without green-yellow conductor (OZ)
- Also available in other dimensions and in other sheath colours.
- AWG sizes are approximate equivalent values. The actual cross-section is in mm<sup>2</sup>.

## Application

PAAR-CY is ideal for use as a connecting cable for all areas involving measuring, control, regulation and signal transfer as well as for use in all fields of data and impulse transmission. Especially suited for all areas of high electromagnetic activity, e. g. disturbances through parallel circuits.

**EMC** = Electromagnetic compatibility

To optimize the EMC features we recommend a large round contact of the copper braiding on both ends.

CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

Part no.	No.pairs x cross-sec. mm <sup>2</sup>	Outer Ø app. mm	Cop. weight kg / km	Weight app.kg / km	AWG-No.
17023	2 x 2 x 1	9,5	82,0	135,0	18
17024	3 x 2 x 1	10,0	103,0	160,0	18
17025	4 x 2 x 1	11,0	132,0	197,0	18
17026	5 x 2 x 1	12,3	161,0	253,0	18
17027	6 x 2 x 1	13,4	188,0	295,0	18
17028	8 x 2 x 1	14,7	240,0	410,0	18
17029	10 x 2 x 1	16,4	282,0	518,0	18
17030	12 x 2 x 1	18,2	324,0	601,0	18
17031	16 x 2 x 1	19,0	412,0	990,0	18
17032	20 x 2 x 1	19,8	505,0	1400,0	18
17033	25 x 2 x 1	23,5	610,0	1600,0	18

Part no.	No.pairs x cross-sec. mm <sup>2</sup>	Outer Ø app. mm	Cop. weight kg / km	Weight app.kg / km	AWG-No.
17034	2 x 2 x 1,5	11,3	112,0	168,0	16
17035	3 x 2 x 1,5	12,2	139,0	221,0	16
17036	4 x 2 x 1,5	13,5	176,0	269,0	16
17037	5 x 2 x 1,5	14,5	212,0	314,0	16
17038	6 x 2 x 1,5	17,2	255,0	550,0	16
17039	8 x 2 x 1,5	17,5	322,0	650,0	16
17040	10 x 2 x 1,5	20,1	380,0	900,0	16
17041	12 x 2 x 1,5	21,8	442,0	950,0	16
17042	16 x 2 x 1,5	25,0	572,0	1100,0	16
17043	20 x 2 x 1,5	27,0	705,0	1700,0	16
17044	25 x 2 x 1,5	29,5	862,0	1900,0	16

Dimensions and specifications may be changed without prior notice. (RB01)