

# Control and connection cables

## ÖZCuY-0 (E)

PVC control cable with numbered cores, overall copper screen and blue outer sheath



Marking for ÖZCuY-0 (E) 02430307:

SAB BRÖCKSKES · D-VIERSEN · ÖZCuY-0 (E) <VDE-REG 7000> CC 243 3x0,75mm² CE

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, VDE 0295, class 5
<b>Insulation:</b>	PVC, TI2 acc. to EN 50363-3 + VDE 0207-363-3
<b>Colour code:</b>	black cores with consecutive numbers acc. to EN 50334 + VDE 0293-334
<b>Stranding:</b>	in layers
<b>Inner sheath:</b>	PVC, TM2 acc. to EN 50363-4-1 + VDE 0207-363-4-1
<b>Screen:</b>	tinned copper braiding
<b>Sheath material:</b>	PVC, TM2 acc. to EN 50363-4-1 + VDE 0207-363-4-1
<b>Sheath colour:</b>	blue (RAL 5015)

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 300/500 V
<b>Testing voltage:</b>	core/core 3000 V core/screen 2000 V
<b>Min. bending radius</b>	
<i>fixed laying:</i>	5 x d
<i>flexible application:</i>	10 x d
<b>Radiation resistance:</b>	8 x 10 <sup>7</sup> cJ/kg
<b>Temperature range</b>	
<i>fixed laying:</i>	-40/+70 °C
<i>flexible application:</i>	+5/+70 °C
<b>Fire performance:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
<b>Oil resistance:</b>	acc. to internal standard, see chapter N „Technical Data“
<b>Chem. resistance:</b>	see chapter N „Technical Data“
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see chapter N „Technical Data“

### Outstanding features:



- good EMC characteristics
- flexible
- for intrinsically safe circuits

item no.	no. of cores x cross section n x mm <sup>2</sup>	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
02430207	2 x 0,75	0,21	8,1	61,2	94
02430307	3 x 0,75	0,21	8,4	69,0	105
02430407	4 x 0,75	0,21	9,1	86,5	125
02430507	5 x 0,75	0,21	9,7	94,8	145
02430707	7 x 0,75	0,21	10,6	110,7	173
02430210	2 x 1,00	0,21	8,3	66,4	102
02430310	3 x 1,00	0,21	8,6	76,5	114
02430410	4 x 1,00	0,21	9,4	96,4	137
02430510	5 x 1,00	0,21	10,0	107,4	158
02430710	7 x 1,00	0,21	11,1	128,1	206
02430215	2 x 1,50	0,26	9,1	86,1	125
02430315	3 x 1,50	0,26	9,5	101,2	143
02430415	4 x 1,50	0,26	10,1	116,8	166
02430515	5 x 1,50	0,26	11,1	145,4	210
02430715	7 x 1,50	0,26	12,2	176,3	259

Other dimensions and colours are possible on request.