Control and connection cables

ÖZ-0 (E) PVC control cable with numbered cores and blue outer sheath
ÖZCuY -0 (E) PVC control cable with numbered cores, overall copper screen and blue outer sheath



marking example:
SAB BRÖCKSKES · D-VIERSEN · ÖZ-0 (E) ◁VDE-REG 7000▷ CC 203 3 x 0,75 mm² CE

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	PVC, TI2 acc. to EN 50363-3 + VDE 0207-363-3
Colour code:	black cores with consecutive numbers acc. to EN 50334 + VDE 0293-334
Stranding:	in layers
ÖZCuY -0 (E): **Inner sheath:**	PVC, TM2 acc. to EN 50363-4-1 + VDE 0207-363-4-1
ÖZCuY -0 (E): **Screen:**	tinned copper braiding
Sheath material:	PVC, TM2 acc. to EN 50363-4-1 + VDE 0207-363-4-1
Sheath colour:	blue (RAL 5015)

Outstanding features:

- **flexible**
- **for intrinsically safe circuits**
- **PFAS free**
- **ÖZCuY -0 (E):**
  good EMC characteristics

Technical data:

Nominal voltage:	Uo/U 300/500 V	
Testing voltage:	**ÖZ -0 (E):** core/core 3000 V	**ÖZCuY -0 (E):** core/core 3000 V core/screen 2000 V
Min. bending radius *fixed laying:* *flexible application:*	**ÖZ -0 (E):** 4 x d 6 x d	**ÖZCuY -0 (E):** 5 x d 10 x d
Radiation resistance:	8 x 10^7 cJ/kg	
Temperature range *fixed laying:* *flexible application:*	 -40/+70 °C +5/+70 °C	
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2	
Oil resistance:	acc. to internal standard, see chapter N „Technical data“	
Chem. resistance:	see chapter N „Technical data“	
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“	

ÖZ -0 (E)

item no.	no. of cores x cross section n x mm²	largest single wire ø mm	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
02030207	2 x 0,75	0,21	5,7	14,4	47
02030307	3 x 0,75	0,21	6,1	21,6	58
02030407	4 x 0,75	0,21	6,7	28,8	71
02030507	5 x 0,75	0,21	7,3	36,0	86
02030707	7 x 0,75	0,21	8,1	50,4	108
02030210	2 x 1,00	0,21	6,0	19,2	55
02030310	3 x 1,00	0,21	6,4	28,8	67
02030410	4 x 1,00	0,21	7,0	38,4	82
02030510	5 x 1,00	0,21	7,7	48,0	101
02030710	7 x 1,00	0,21	8,6	67,2	130
02030215	2 x 1,50	0,26	6,6	28,8	69
02030315	3 x 1,50	0,26	7,0	43,2	84
02030415	4 x 1,50	0,26	7,7	57,6	104
02030515	5 x 1,50	0,26	8,7	72,0	135
02030715	7 x 1,50	0,26	9,6	100,8	172

Other dimensions and colours are possible on request.

ÖZCuY -0 (E)

Item no.	no. of cores x cross section n x mm²	largest single wire ø mm	outer-ø ± 10% 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.