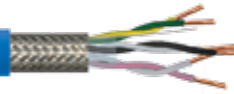


## GAALFLEX® SAFE CY TP

paired PVC control cable blue outer sheath and overall copper screen, 300/500 V

ELETTROTEK KABEL® GAALFLEX® SAFE CY TP



### Construction:

<b>Conductor:</b>	flexible red copper conductor Cl.5, acc.to IEC 60228, DIN VDE 0295
<b>Insulation:</b>	PVC type YI2 acc. to DIN VDE 0207 part 4
<b>Colour cores:</b>	acc. to DIN 47100
<b>Stranding:</b>	cores twisted in pairs, pairs stranded layers
<b>Screen:</b>	tinned copper braid + PETP foil
<b>Outer sheath:</b>	blue (RAL 5015) PVC type YM2 acc. to DIN VDE 0207 part 5

### Resistance:



**Self-extinguishing and flame retardant acc. to:**  
DIN VDE 0482 part 332-1-2  
EN 60332-1-2  
IEC 60332-1-2



**Oil resistance acc. to:**  
DIN VDE 0473 part 811-2-1  
IEC EN 60811-2-1

### Technical data:

<b>Nominal voltage:</b>	0.14 mm <sup>2</sup> = max.350V 0.25 mm <sup>2</sup> = max 500 V
<b>Test voltage:</b>	0.14 mm <sup>2</sup> = max 1,2 kV 0.25 mm <sup>2</sup> = max 2 kV
<b>Breakdown voltage:</b>	0.14 mm <sup>2</sup> = max 2,4 kV 0.25 mm <sup>2</sup> = max 2,4 kV
<b>Temperature range</b>	
<i>Fixed laying:</i>	-30°C up to +80°C
<i>Flexible installation:</i>	+5°C up to +80°C
<b>Min. bending radius</b>	
<i>Fixed laying:</i>	12 x d
<i>Flexible installation:</i>	6 x d
<b>Radiation resistance:</b>	up to 80 x 10 <sup>6</sup> cJ/kg (up to 80 Mrad)
<b>Mutual capacitance:</b>	
<i>Core/core:</i>	0.14 mm <sup>2</sup> = 147 pf/m 0.25 mm <sup>2</sup> = 152.5 pf/m
<i>Core/screen:</i>	0.14 mm <sup>2</sup> = 147 pf/m 0.25 mm <sup>2</sup> = 263 pf/m
<b>Impedence:</b>	0.14 mm <sup>2</sup> = 536 Ohm/1 kHz/20°C 0.25 mm <sup>2</sup> = 396 Ohm/1 kHz/20°C
<b>Coupling:</b>	250 pF/100 m/1 kHz
<b>Screen resistance:</b>	0.14 mm <sup>2</sup> = 36 Ohm/km 0.25 mm <sup>2</sup> = 18 Ohm/km

### Features:

for hazardous areas to hazard type -i-  
for intrinsically safe circuits,  
acc. to DIN EN 60079-14 and IEC 60079-14  
section 12.2.2., VDE 0165 part 1

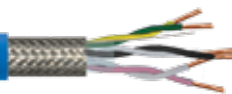
RoHS and CE approval



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Part no.	No. of cores x cross section n x mm <sup>2</sup>	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
34030CB4022M05	2 x 2 x 0,5	8	47	89	20
34030CB4032M05	3 x 2 x 0,5	8,4	67	104	20
34030CB4042M05	4 x 2 x 0,5	9,1	80	126	20
34030CB4062M05	6 x 2 x 0,5	10,7	108	171	20
34030CB4082M05	8 x 2 x 0,5	13	129	251	20
34030CB4102M05	10 x 2 x 0,5	14,2	172	282	20
34030CB4122M05	12 x 2 x 0,5	14,4	235	261	20
34030CB4162M05	16 x 2 x 0,5	17,7	301	445	20
34030CB4202M05	20 x 2 x 0,5	19,2	343	525	20
34030CB4242M05	24 x 2 x 0,5	20,7	394	590	20
34030CB4252M05	25 x 2 x 0,5	20,9	406	622	20
34030CB4022M07	2 x 2 x 0,75	8,7	60	105	19
34030CB4032M07	3 x 2 x 0,75	9,2	80	128	19
34030CB4042M07	4 x 2 x 0,75	10	110	156	19
34030CB4062M07	6 x 2 x 0,75	11,1	142	216	19
34030CB4082M07	8 x 2 x 0,75	14,6	200	308	19
34030CB4102M07	10 x 2 x 0,75	16	238	355	19
34030CB4122M07	12 x 2 x 0,75	16,4	270	405	19
34030CB4162M07	16 x 2 x 0,75	20	342	560	19
34030CB4202M07	20 x 2 x 0,75	21,6	369	671	19
34030CB4242M07	24 x 2 x 0,75	24,3	451	795	19
34030CB4252M07	25 x 2 x 0,75	24,4	461	803	19

Other dimensions and colors available on request.