



## SCREENED SIGNAL CONTROL CABLE

VDE 0812

48 orderable sizes

STANDARD <b>VDE 0812</b>	VOLTAGE CLASS <b>300 V</b>	CONDUCTOR <b>Class 5 flexible copper conductor</b>
INSULATION / JACKET <b>PVC sheath</b>		

### Construction

- 1 ■ Conductor (per core) – Class 5 flexible copper conductor · 16 × Ø0.11 mm · IEC 60228 cl.5
- 2 ■ Core insulation – PVC
- 3 ■ Filler – PP filler
- 4 ■ Shield – Braid shield (C)
- 5 ■ Sheath – PVC sheath

### Size selection — all available cross-sections

Cable reference	Service class	Core design	Conductor size	Max DC resistance at 20 °C	EMC / protection	OD guide
LiYCY screened signal flexible control cable 300 V Screened electronic control 2 core 0.14 mm <sup>2</sup>	Screened electronic control	2 core	0.14 mm <sup>2</sup>	138 Ω/km	Tinned copper braid screen	8.8 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 2 core 0.25 mm <sup>2</sup>	Screened electronic control	2 core	0.25 mm <sup>2</sup>	79.9 Ω/km	Tinned copper braid screen	9.0 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 2 core 0.34 mm <sup>2</sup>	Screened electronic control	2 core	0.34 mm <sup>2</sup>	57.0 Ω/km	Tinned copper braid screen	9.2 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 2 core 0.5 mm <sup>2</sup>	Screened electronic control	2 core	0.5 mm <sup>2</sup>	39.0 Ω/km	Tinned copper braid screen	9.5 mm

Cable reference	Service class	Core design	Conductor size	Max DC resistance at 20 °C	EMC / protection	OD guide
LiYCY screened signal flexible control cable 300 V Screened electronic control 2 core 0.75 mm <sup>2</sup>	Screened electronic control	2 core	0.75 mm <sup>2</sup>	26.0 Ω/km	Tinned copper braid screen	9.8 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 2 core 1.0 mm <sup>2</sup>	Screened electronic control	2 core	1.0 mm <sup>2</sup>	19.5 Ω/km	Tinned copper braid screen	10.1 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 3 core 0.14 mm <sup>2</sup>	Screened electronic control	3 core	0.14 mm <sup>2</sup>	138 Ω/km	Tinned copper braid screen	9.2 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 3 core 0.25 mm <sup>2</sup>	Screened electronic control	3 core	0.25 mm <sup>2</sup>	79.9 Ω/km	Tinned copper braid screen	9.5 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 3 core 0.34 mm <sup>2</sup>	Screened electronic control	3 core	0.34 mm <sup>2</sup>	57.0 Ω/km	Tinned copper braid screen	9.7 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 3 core 0.5 mm <sup>2</sup>	Screened electronic control	3 core	0.5 mm <sup>2</sup>	39.0 Ω/km	Tinned copper braid screen	9.9 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 3 core 0.75 mm <sup>2</sup>	Screened electronic control	3 core	0.75 mm <sup>2</sup>	26.0 Ω/km	Tinned copper braid screen	10.3 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 3 core 1.0 mm <sup>2</sup>	Screened electronic control	3 core	1.0 mm <sup>2</sup>	19.5 Ω/km	Tinned copper braid screen	10.6 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 4 core 0.14 mm <sup>2</sup>	Screened electronic control	4 core	0.14 mm <sup>2</sup>	138 Ω/km	Tinned copper braid screen	9.6 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 4 core 0.25 mm <sup>2</sup>	Screened electronic control	4 core	0.25 mm <sup>2</sup>	79.9 Ω/km	Tinned copper braid screen	9.9 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 4 core 0.34 mm <sup>2</sup>	Screened electronic control	4 core	0.34 mm <sup>2</sup>	57.0 Ω/km	Tinned copper braid screen	10.1 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 4 core 0.5 mm <sup>2</sup>	Screened electronic control	4 core	0.5 mm <sup>2</sup>	39.0 Ω/km	Tinned copper braid screen	10.3 mm

Cable reference	Service class	Core design	Conductor size	Max DC resistance at 20 °C	EMC / protection	OD guide
LiYCY screened signal flexible control cable 300 V Screened electronic control 4 core 0.75 mm <sup>2</sup>	Screened electronic control	4 core	0.75 mm <sup>2</sup>	26.0 Ω/km	Tinned copper braid screen	10.7 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 4 core 1.0 mm <sup>2</sup>	Screened electronic control	4 core	1.0 mm <sup>2</sup>	19.5 Ω/km	Tinned copper braid screen	11.0 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 5 core 0.14 mm <sup>2</sup>	Screened electronic control	5 core	0.14 mm <sup>2</sup>	138 Ω/km	Tinned copper braid screen	9.9 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 5 core 0.25 mm <sup>2</sup>	Screened electronic control	5 core	0.25 mm <sup>2</sup>	79.9 Ω/km	Tinned copper braid screen	10.2 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 5 core 0.34 mm <sup>2</sup>	Screened electronic control	5 core	0.34 mm <sup>2</sup>	57.0 Ω/km	Tinned copper braid screen	10.4 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 5 core 0.5 mm <sup>2</sup>	Screened electronic control	5 core	0.5 mm <sup>2</sup>	39.0 Ω/km	Tinned copper braid screen	10.7 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 5 core 0.75 mm <sup>2</sup>	Screened electronic control	5 core	0.75 mm <sup>2</sup>	26.0 Ω/km	Tinned copper braid screen	11.0 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 5 core 1.0 mm <sup>2</sup>	Screened electronic control	5 core	1.0 mm <sup>2</sup>	19.5 Ω/km	Tinned copper braid screen	11.3 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 7 core 0.14 mm <sup>2</sup>	Screened electronic control	7 core	0.14 mm <sup>2</sup>	138 Ω/km	Tinned copper braid screen	10.5 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 7 core 0.25 mm <sup>2</sup>	Screened electronic control	7 core	0.25 mm <sup>2</sup>	79.9 Ω/km	Tinned copper braid screen	10.8 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 7 core 0.34 mm <sup>2</sup>	Screened electronic control	7 core	0.34 mm <sup>2</sup>	57.0 Ω/km	Tinned copper braid screen	11.0 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 7 core 0.5 mm <sup>2</sup>	Screened electronic control	7 core	0.5 mm <sup>2</sup>	39.0 Ω/km	Tinned copper braid screen	11.3 mm

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LiYCY screened signal flexible control cable 300 V Screened electronic control 7 core 0.75 mm <sup>2</sup>	Screened electronic control	7 core	0.75 mm <sup>2</sup>	26.0 Ω/km	Tinned copper braid screen	11.6 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 7 core 1.0 mm <sup>2</sup>	Screened electronic control	7 core	1.0 mm <sup>2</sup>	19.5 Ω/km	Tinned copper braid screen	11.9 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 12 core 0.14 mm <sup>2</sup>	Screened electronic control	12 core	0.14 mm <sup>2</sup>	138 Ω/km	Tinned copper braid screen	11.7 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 12 core 0.25 mm <sup>2</sup>	Screened electronic control	12 core	0.25 mm <sup>2</sup>	79.9 Ω/km	Tinned copper braid screen	12.0 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 12 core 0.34 mm <sup>2</sup>	Screened electronic control	12 core	0.34 mm <sup>2</sup>	57.0 Ω/km	Tinned copper braid screen	12.2 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 12 core 0.5 mm <sup>2</sup>	Screened electronic control	12 core	0.5 mm <sup>2</sup>	39.0 Ω/km	Tinned copper braid screen	12.4 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 12 core 0.75 mm <sup>2</sup>	Screened electronic control	12 core	0.75 mm <sup>2</sup>	26.0 Ω/km	Tinned copper braid screen	12.8 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 12 core 1.0 mm <sup>2</sup>	Screened electronic control	12 core	1.0 mm <sup>2</sup>	19.5 Ω/km	Tinned copper braid screen	13.1 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 18 core 0.14 mm <sup>2</sup>	Screened electronic control	18 core	0.14 mm <sup>2</sup>	138 Ω/km	Tinned copper braid screen	12.9 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 18 core 0.25 mm <sup>2</sup>	Screened electronic control	18 core	0.25 mm <sup>2</sup>	79.9 Ω/km	Tinned copper braid screen	13.1 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 18 core 0.34 mm <sup>2</sup>	Screened electronic control	18 core	0.34 mm <sup>2</sup>	57.0 Ω/km	Tinned copper braid screen	13.3 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 18 core 0.5 mm <sup>2</sup>	Screened electronic control	18 core	0.5 mm <sup>2</sup>	39.0 Ω/km	Tinned copper braid screen	13.6 mm

Cable reference	Service class	Core design	Conductor size	Max DC resistance at 20 °C	EMC / protection	OD guide
LiYCY screened signal flexible control cable 300 V Screened electronic control 18 core 0.75 mm <sup>2</sup>	Screened electronic control	18 core	0.75 mm <sup>2</sup>	26.0 Ω/km	Tinned copper braid screen	13.9 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 18 core 1.0 mm <sup>2</sup>	Screened electronic control	18 core	1.0 mm <sup>2</sup>	19.5 Ω/km	Tinned copper braid screen	14.2 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 25 core 0.14 mm <sup>2</sup>	Screened electronic control	25 core	0.14 mm <sup>2</sup>	138 Ω/km	Tinned copper braid screen	14.0 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 25 core 0.25 mm <sup>2</sup>	Screened electronic control	25 core	0.25 mm <sup>2</sup>	79.9 Ω/km	Tinned copper braid screen	14.2 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 25 core 0.34 mm <sup>2</sup>	Screened electronic control	25 core	0.34 mm <sup>2</sup>	57.0 Ω/km	Tinned copper braid screen	14.4 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 25 core 0.5 mm <sup>2</sup>	Screened electronic control	25 core	0.5 mm <sup>2</sup>	39.0 Ω/km	Tinned copper braid screen	14.7 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 25 core 0.75 mm <sup>2</sup>	Screened electronic control	25 core	0.75 mm <sup>2</sup>	26.0 Ω/km	Tinned copper braid screen	15.0 mm
LiYCY screened signal flexible control cable 300 V Screened electronic control 25 core 1.0 mm <sup>2</sup>	Screened electronic control	25 core	1.0 mm <sup>2</sup>	19.5 Ω/km	Tinned copper braid screen	15.3 mm