



### SMALL-CORE 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</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

### Size selection — all available cross-sections

Cable reference	Voltage class	Core / pair design	Conductor size	Max DC resistance at 20 °C	Screen / protection	OD guide
LiYY signal control cable 300 V 2 core 0.14 mm <sup>2</sup>	300 V	2 core	0.14 mm <sup>2</sup>	138 Ω/km	No overall screen, protected low-noise route	8 mm
LiYY signal control cable 300 V 2 core 0.25 mm <sup>2</sup>	300 V	2 core	0.25 mm <sup>2</sup>	79.9 Ω/km	No overall screen, protected low-noise route	8 mm
LiYY signal control cable 300 V 2 core 0.34 mm <sup>2</sup>	300 V	2 core	0.34 mm <sup>2</sup>	57.0 Ω/km	No overall screen, protected low-noise route	9 mm
LiYY signal control cable 300 V 2 core 0.5 mm <sup>2</sup>	300 V	2 core	0.5 mm <sup>2</sup>	39.0 Ω/km	No overall screen, protected low-noise route	9 mm
LiYY signal control cable 300 V 2 core 0.75 mm <sup>2</sup>	300 V	2 core	0.75 mm <sup>2</sup>	26.0 Ω/km	No overall screen, protected low-noise route	9 mm
LiYY signal control cable 300 V 2 core 1.0 mm <sup>2</sup>	300 V	2 core	1.0 mm <sup>2</sup>	19.5 Ω/km	No overall screen, protected low-noise	9 mm

Cable reference	Voltage class	Core / pair design	Conductor size	Max DC resistance at 20 °C	Screen / protection	OD guide
					route	
LiYY signal control cable 300 V 3 core 0.14 mm <sup>2</sup>	300 V	3 core	0.14 mm <sup>2</sup>	138 Ω/km	No overall screen, protected low-noise route	9 mm
LiYY signal control cable 300 V 3 core 0.25 mm <sup>2</sup>	300 V	3 core	0.25 mm <sup>2</sup>	79.9 Ω/km	No overall screen, protected low-noise route	9 mm
LiYY signal control cable 300 V 3 core 0.34 mm <sup>2</sup>	300 V	3 core	0.34 mm <sup>2</sup>	57.0 Ω/km	No overall screen, protected low-noise route	9 mm
LiYY signal control cable 300 V 3 core 0.5 mm <sup>2</sup>	300 V	3 core	0.5 mm <sup>2</sup>	39.0 Ω/km	No overall screen, protected low-noise route	9 mm
LiYY signal control cable 300 V 3 core 0.75 mm <sup>2</sup>	300 V	3 core	0.75 mm <sup>2</sup>	26.0 Ω/km	No overall screen, protected low-noise route	10 mm
LiYY signal control cable 300 V 3 core 1.0 mm <sup>2</sup>	300 V	3 core	1.0 mm <sup>2</sup>	19.5 Ω/km	No overall screen, protected low-noise route	10 mm
LiYY signal control cable 300 V 4 core 0.14 mm <sup>2</sup>	300 V	4 core	0.14 mm <sup>2</sup>	138 Ω/km	No overall screen, protected low-noise route	9 mm
LiYY signal control cable 300 V 4 core 0.25 mm <sup>2</sup>	300 V	4 core	0.25 mm <sup>2</sup>	79.9 Ω/km	No overall screen, protected low-noise route	9 mm
LiYY signal control cable 300 V 4 core 0.34 mm <sup>2</sup>	300 V	4 core	0.34 mm <sup>2</sup>	57.0 Ω/km	No overall screen, protected low-noise route	10 mm
LiYY signal control cable 300 V 4 core 0.5 mm <sup>2</sup>	300 V	4 core	0.5 mm <sup>2</sup>	39.0 Ω/km	No overall screen, protected low-noise route	10 mm
LiYY signal control cable 300 V 4 core 0.75 mm <sup>2</sup>	300 V	4 core	0.75 mm <sup>2</sup>	26.0 Ω/km	No overall screen, protected low-noise route	10 mm
LiYY signal control cable 300 V 4 core 1.0 mm <sup>2</sup>	300 V	4 core	1.0 mm <sup>2</sup>	19.5 Ω/km	No overall screen, protected low-noise route	10 mm
LiYY signal control cable 300 V 5 core 0.14 mm <sup>2</sup>	300 V	5 core	0.14 mm <sup>2</sup>	138 Ω/km	No overall screen, protected low-noise route	9 mm
LiYY signal control cable 300 V 5 core 0.25 mm <sup>2</sup>	300 V	5 core	0.25 mm <sup>2</sup>	79.9 Ω/km	No overall screen, protected low-noise route	10 mm
LiYY signal control cable 300 V 5 core 0.34 mm <sup>2</sup>	300 V	5 core	0.34 mm <sup>2</sup>	57.0 Ω/km	No overall screen, protected low-noise route	10 mm

Cable reference	Voltage class	Core / pair design	Conductor size	Max DC resistance at 20 °C	Screen / protection	OD guide
LiYY signal control cable 300 V 5 core 0.5 mm <sup>2</sup>	300 V	5 core	0.5 mm <sup>2</sup>	39.0 Ω/km	No overall screen, protected low-noise route	10 mm
LiYY signal control cable 300 V 5 core 0.75 mm <sup>2</sup>	300 V	5 core	0.75 mm <sup>2</sup>	26.0 Ω/km	No overall screen, protected low-noise route	11 mm
LiYY signal control cable 300 V 5 core 1.0 mm <sup>2</sup>	300 V	5 core	1.0 mm <sup>2</sup>	19.5 Ω/km	No overall screen, protected low-noise route	11 mm
LiYY signal control cable 300 V 7 core 0.14 mm <sup>2</sup>	300 V	7 core	0.14 mm <sup>2</sup>	138 Ω/km	No overall screen, protected low-noise route	10 mm
LiYY signal control cable 300 V 7 core 0.25 mm <sup>2</sup>	300 V	7 core	0.25 mm <sup>2</sup>	79.9 Ω/km	No overall screen, protected low-noise route	10 mm
LiYY signal control cable 300 V 7 core 0.34 mm <sup>2</sup>	300 V	7 core	0.34 mm <sup>2</sup>	57.0 Ω/km	No overall screen, protected low-noise route	11 mm
LiYY signal control cable 300 V 7 core 0.5 mm <sup>2</sup>	300 V	7 core	0.5 mm <sup>2</sup>	39.0 Ω/km	No overall screen, protected low-noise route	11 mm
LiYY signal control cable 300 V 7 core 0.75 mm <sup>2</sup>	300 V	7 core	0.75 mm <sup>2</sup>	26.0 Ω/km	No overall screen, protected low-noise route	11 mm
LiYY signal control cable 300 V 7 core 1.0 mm <sup>2</sup>	300 V	7 core	1.0 mm <sup>2</sup>	19.5 Ω/km	No overall screen, protected low-noise route	11 mm
LiYY signal control cable 300 V 12 core 0.14 mm <sup>2</sup>	300 V	12 core	0.14 mm <sup>2</sup>	138 Ω/km	No overall screen, protected low-noise route	12 mm
LiYY signal control cable 300 V 12 core 0.25 mm <sup>2</sup>	300 V	12 core	0.25 mm <sup>2</sup>	79.9 Ω/km	No overall screen, protected low-noise route	12 mm
LiYY signal control cable 300 V 12 core 0.34 mm <sup>2</sup>	300 V	12 core	0.34 mm <sup>2</sup>	57.0 Ω/km	No overall screen, protected low-noise route	12 mm
LiYY signal control cable 300 V 12 core 0.5 mm <sup>2</sup>	300 V	12 core	0.5 mm <sup>2</sup>	39.0 Ω/km	No overall screen, protected low-noise route	12 mm
LiYY signal control cable 300 V 12 core 0.75 mm <sup>2</sup>	300 V	12 core	0.75 mm <sup>2</sup>	26.0 Ω/km	No overall screen, protected low-noise route	13 mm
LiYY signal control cable 300 V 12 core 1.0 mm <sup>2</sup>	300 V	12 core	1.0 mm <sup>2</sup>	19.5 Ω/km	No overall screen, protected low-noise route	13 mm

Cable reference	Voltage class	Core / pair design	Conductor size	Max DC resistance at 20 °C	Screen / protection	OD guide
LiYY signal control cable 300 V 18 core 0.14 mm <sup>2</sup>	300 V	18 core	0.14 mm <sup>2</sup>	138 Ω/km	No overall screen, protected low-noise route	13 mm
LiYY signal control cable 300 V 18 core 0.25 mm <sup>2</sup>	300 V	18 core	0.25 mm <sup>2</sup>	79.9 Ω/km	No overall screen, protected low-noise route	13 mm
LiYY signal control cable 300 V 18 core 0.34 mm <sup>2</sup>	300 V	18 core	0.34 mm <sup>2</sup>	57.0 Ω/km	No overall screen, protected low-noise route	13 mm
LiYY signal control cable 300 V 18 core 0.5 mm <sup>2</sup>	300 V	18 core	0.5 mm <sup>2</sup>	39.0 Ω/km	No overall screen, protected low-noise route	13 mm
LiYY signal control cable 300 V 18 core 0.75 mm <sup>2</sup>	300 V	18 core	0.75 mm <sup>2</sup>	26.0 Ω/km	No overall screen, protected low-noise route	14 mm
LiYY signal control cable 300 V 18 core 1.0 mm <sup>2</sup>	300 V	18 core	1.0 mm <sup>2</sup>	19.5 Ω/km	No overall screen, protected low-noise route	14 mm
LiYY signal control cable 300 V 25 core 0.14 mm <sup>2</sup>	300 V	25 core	0.14 mm <sup>2</sup>	138 Ω/km	No overall screen, protected low-noise route	14 mm
LiYY signal control cable 300 V 25 core 0.25 mm <sup>2</sup>	300 V	25 core	0.25 mm <sup>2</sup>	79.9 Ω/km	No overall screen, protected low-noise route	14 mm
LiYY signal control cable 300 V 25 core 0.34 mm <sup>2</sup>	300 V	25 core	0.34 mm <sup>2</sup>	57.0 Ω/km	No overall screen, protected low-noise route	14 mm
LiYY signal control cable 300 V 25 core 0.5 mm <sup>2</sup>	300 V	25 core	0.5 mm <sup>2</sup>	39.0 Ω/km	No overall screen, protected low-noise route	15 mm
LiYY signal control cable 300 V 25 core 0.75 mm <sup>2</sup>	300 V	25 core	0.75 mm <sup>2</sup>	26.0 Ω/km	No overall screen, protected low-noise route	15 mm
LiYY signal control cable 300 V 25 core 1.0 mm <sup>2</sup>	300 V	25 core	1.0 mm <sup>2</sup>	19.5 Ω/km	No overall screen, protected low-noise route	15 mm