



SMALL-CORE SIGNAL CONTROL CABLE

VDE 0812

48 orderable sizes

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

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
LiYY signal flexible control cable 300 V Electronic signal control 2 core 0.14 mm ²	Electronic signal control	2 core	0.14 mm ²	138 Ω/km	Control cable without EMC screen	8.8 mm
LiYY signal flexible control cable 300 V Electronic signal control 2 core 0.25 mm ²	Electronic signal control	2 core	0.25 mm ²	79.9 Ω/km	Control cable without EMC screen	9.0 mm
LiYY signal flexible control cable 300 V Electronic signal control 2 core 0.34 mm ²	Electronic signal control	2 core	0.34 mm ²	57.0 Ω/km	Control cable without EMC screen	9.2 mm
LiYY signal flexible control cable 300 V Electronic signal control 2 core 0.5 mm ²	Electronic signal control	2 core	0.5 mm ²	39.0 Ω/km	Control cable without EMC screen	9.5 mm

Cable reference	Service class	Core design	Conductor size	Max DC resistance at 20 °C	EMC / protection	OD guide
LiYY signal flexible control cable 300 V Electronic signal control 2 core 0.75 mm ²	Electronic signal control	2 core	0.75 mm ²	26.0 Ω/km	Control cable without EMC screen	9.8 mm
LiYY signal flexible control cable 300 V Electronic signal control 2 core 1.0 mm ²	Electronic signal control	2 core	1.0 mm ²	19.5 Ω/km	Control cable without EMC screen	10.1 mm
LiYY signal flexible control cable 300 V Electronic signal control 3 core 0.14 mm ²	Electronic signal control	3 core	0.14 mm ²	138 Ω/km	Control cable without EMC screen	9.2 mm
LiYY signal flexible control cable 300 V Electronic signal control 3 core 0.25 mm ²	Electronic signal control	3 core	0.25 mm ²	79.9 Ω/km	Control cable without EMC screen	9.5 mm
LiYY signal flexible control cable 300 V Electronic signal control 3 core 0.34 mm ²	Electronic signal control	3 core	0.34 mm ²	57.0 Ω/km	Control cable without EMC screen	9.7 mm
LiYY signal flexible control cable 300 V Electronic signal control 3 core 0.5 mm ²	Electronic signal control	3 core	0.5 mm ²	39.0 Ω/km	Control cable without EMC screen	9.9 mm
LiYY signal flexible control cable 300 V Electronic signal control 3 core 0.75 mm ²	Electronic signal control	3 core	0.75 mm ²	26.0 Ω/km	Control cable without EMC screen	10.3 mm
LiYY signal flexible control cable 300 V Electronic signal control 3 core 1.0 mm ²	Electronic signal control	3 core	1.0 mm ²	19.5 Ω/km	Control cable without EMC screen	10.6 mm
LiYY signal flexible control cable 300 V Electronic signal control 4 core 0.14 mm ²	Electronic signal control	4 core	0.14 mm ²	138 Ω/km	Control cable without EMC screen	9.6 mm
LiYY signal flexible control cable 300 V Electronic signal control 4 core 0.25 mm ²	Electronic signal control	4 core	0.25 mm ²	79.9 Ω/km	Control cable without EMC screen	9.9 mm
LiYY signal flexible control cable 300 V Electronic signal control 4 core 0.34 mm ²	Electronic signal control	4 core	0.34 mm ²	57.0 Ω/km	Control cable without EMC screen	10.1 mm
LiYY signal flexible control cable 300 V Electronic signal control 4 core 0.5 mm ²	Electronic signal control	4 core	0.5 mm ²	39.0 Ω/km	Control cable without EMC screen	10.3 mm

Cable reference	Service class	Core design	Conductor size	Max DC resistance at 20 °C	EMC / protection	OD guide
LiYY signal flexible control cable 300 V Electronic signal control 4 core 0.75 mm ²	Electronic signal control	4 core	0.75 mm ²	26.0 Ω/km	Control cable without EMC screen	10.7 mm
LiYY signal flexible control cable 300 V Electronic signal control 4 core 1.0 mm ²	Electronic signal control	4 core	1.0 mm ²	19.5 Ω/km	Control cable without EMC screen	11.0 mm
LiYY signal flexible control cable 300 V Electronic signal control 5 core 0.14 mm ²	Electronic signal control	5 core	0.14 mm ²	138 Ω/km	Control cable without EMC screen	9.9 mm
LiYY signal flexible control cable 300 V Electronic signal control 5 core 0.25 mm ²	Electronic signal control	5 core	0.25 mm ²	79.9 Ω/km	Control cable without EMC screen	10.2 mm
LiYY signal flexible control cable 300 V Electronic signal control 5 core 0.34 mm ²	Electronic signal control	5 core	0.34 mm ²	57.0 Ω/km	Control cable without EMC screen	10.4 mm
LiYY signal flexible control cable 300 V Electronic signal control 5 core 0.5 mm ²	Electronic signal control	5 core	0.5 mm ²	39.0 Ω/km	Control cable without EMC screen	10.7 mm
LiYY signal flexible control cable 300 V Electronic signal control 5 core 0.75 mm ²	Electronic signal control	5 core	0.75 mm ²	26.0 Ω/km	Control cable without EMC screen	11.0 mm
LiYY signal flexible control cable 300 V Electronic signal control 5 core 1.0 mm ²	Electronic signal control	5 core	1.0 mm ²	19.5 Ω/km	Control cable without EMC screen	11.3 mm
LiYY signal flexible control cable 300 V Electronic signal control 7 core 0.14 mm ²	Electronic signal control	7 core	0.14 mm ²	138 Ω/km	Control cable without EMC screen	10.5 mm
LiYY signal flexible control cable 300 V Electronic signal control 7 core 0.25 mm ²	Electronic signal control	7 core	0.25 mm ²	79.9 Ω/km	Control cable without EMC screen	10.8 mm
LiYY signal flexible control cable 300 V Electronic signal control 7 core 0.34 mm ²	Electronic signal control	7 core	0.34 mm ²	57.0 Ω/km	Control cable without EMC screen	11.0 mm
LiYY signal flexible control cable 300 V Electronic signal control 7 core 0.5 mm ²	Electronic signal control	7 core	0.5 mm ²	39.0 Ω/km	Control cable without EMC screen	11.3 mm

Cable reference	Service class	Core design	Conductor size	Max DC resistance at 20 °C	EMC / protection	OD guide
LiYY signal flexible control cable 300 V Electronic signal control 7 core 0.75 mm ²	Electronic signal control	7 core	0.75 mm ²	26.0 Ω/km	Control cable without EMC screen	11.6 mm
LiYY signal flexible control cable 300 V Electronic signal control 7 core 1.0 mm ²	Electronic signal control	7 core	1.0 mm ²	19.5 Ω/km	Control cable without EMC screen	11.9 mm
LiYY signal flexible control cable 300 V Electronic signal control 12 core 0.14 mm ²	Electronic signal control	12 core	0.14 mm ²	138 Ω/km	Control cable without EMC screen	11.7 mm
LiYY signal flexible control cable 300 V Electronic signal control 12 core 0.25 mm ²	Electronic signal control	12 core	0.25 mm ²	79.9 Ω/km	Control cable without EMC screen	12.0 mm
LiYY signal flexible control cable 300 V Electronic signal control 12 core 0.34 mm ²	Electronic signal control	12 core	0.34 mm ²	57.0 Ω/km	Control cable without EMC screen	12.2 mm
LiYY signal flexible control cable 300 V Electronic signal control 12 core 0.5 mm ²	Electronic signal control	12 core	0.5 mm ²	39.0 Ω/km	Control cable without EMC screen	12.4 mm
LiYY signal flexible control cable 300 V Electronic signal control 12 core 0.75 mm ²	Electronic signal control	12 core	0.75 mm ²	26.0 Ω/km	Control cable without EMC screen	12.8 mm
LiYY signal flexible control cable 300 V Electronic signal control 12 core 1.0 mm ²	Electronic signal control	12 core	1.0 mm ²	19.5 Ω/km	Control cable without EMC screen	13.1 mm
LiYY signal flexible control cable 300 V Electronic signal control 18 core 0.14 mm ²	Electronic signal control	18 core	0.14 mm ²	138 Ω/km	Control cable without EMC screen	12.9 mm
LiYY signal flexible control cable 300 V Electronic signal control 18 core 0.25 mm ²	Electronic signal control	18 core	0.25 mm ²	79.9 Ω/km	Control cable without EMC screen	13.1 mm
LiYY signal flexible control cable 300 V Electronic signal control 18 core 0.34 mm ²	Electronic signal control	18 core	0.34 mm ²	57.0 Ω/km	Control cable without EMC screen	13.3 mm
LiYY signal flexible control cable 300 V Electronic signal control 18 core 0.5 mm ²	Electronic signal control	18 core	0.5 mm ²	39.0 Ω/km	Control cable without EMC screen	13.6 mm

Cable reference	Service class	Core design	Conductor size	Max DC resistance at 20 °C	EMC / protection	OD guide
LiYY signal flexible control cable 300 V Electronic signal control 18 core 0.75 mm ²	Electronic signal control	18 core	0.75 mm ²	26.0 Ω/km	Control cable without EMC screen	13.9 mm
LiYY signal flexible control cable 300 V Electronic signal control 18 core 1.0 mm ²	Electronic signal control	18 core	1.0 mm ²	19.5 Ω/km	Control cable without EMC screen	14.2 mm
LiYY signal flexible control cable 300 V Electronic signal control 25 core 0.14 mm ²	Electronic signal control	25 core	0.14 mm ²	138 Ω/km	Control cable without EMC screen	14.0 mm
LiYY signal flexible control cable 300 V Electronic signal control 25 core 0.25 mm ²	Electronic signal control	25 core	0.25 mm ²	79.9 Ω/km	Control cable without EMC screen	14.2 mm
LiYY signal flexible control cable 300 V Electronic signal control 25 core 0.34 mm ²	Electronic signal control	25 core	0.34 mm ²	57.0 Ω/km	Control cable without EMC screen	14.4 mm
LiYY signal flexible control cable 300 V Electronic signal control 25 core 0.5 mm ²	Electronic signal control	25 core	0.5 mm ²	39.0 Ω/km	Control cable without EMC screen	14.7 mm
LiYY signal flexible control cable 300 V Electronic signal control 25 core 0.75 mm ²	Electronic signal control	25 core	0.75 mm ²	26.0 Ω/km	Control cable without EMC screen	15.0 mm
LiYY signal flexible control cable 300 V Electronic signal control 25 core 1.0 mm ²	Electronic signal control	25 core	1.0 mm ²	19.5 Ω/km	Control cable without EMC screen	15.3 mm