



SCREENED SIGNAL CONTROL CABLE

VDE 0812

48 orderable sizes

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

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
LiYCY screened signal control cable 300 V 2 core 0.14 mm ²	300 V	2 core	0.14 mm ²	138 Ω/km	Tinned copper braid screen	8 mm
LiYCY screened signal control cable 300 V 2 core 0.25 mm ²	300 V	2 core	0.25 mm ²	79.9 Ω/km	Tinned copper braid screen	8 mm
LiYCY screened signal control cable 300 V 2 core 0.34 mm ²	300 V	2 core	0.34 mm ²	57.0 Ω/km	Tinned copper braid screen	9 mm
LiYCY screened signal control cable 300 V 2 core 0.5 mm ²	300 V	2 core	0.5 mm ²	39.0 Ω/km	Tinned copper braid screen	9 mm
LiYCY screened signal control cable 300 V 2 core 0.75 mm ²	300 V	2 core	0.75 mm ²	26.0 Ω/km	Tinned copper braid screen	9 mm
LiYCY screened signal control cable 300 V 2 core	300 V	2 core	1.0 mm ²	19.5 Ω/km	Tinned copper braid screen	9 mm

Cable reference	Voltage class	Core / pair design	Conductor size	Max DC resistance at 20 °C	Screen / protection	OD guide
1.0 mm ²						
LiYCY screened signal control cable 300 V 3 core 0.14 mm ²	300 V	3 core	0.14 mm ²	138 Ω/km	Tinned copper braid screen	9 mm
LiYCY screened signal control cable 300 V 3 core 0.25 mm ²	300 V	3 core	0.25 mm ²	79.9 Ω/km	Tinned copper braid screen	9 mm
LiYCY screened signal control cable 300 V 3 core 0.34 mm ²	300 V	3 core	0.34 mm ²	57.0 Ω/km	Tinned copper braid screen	9 mm
LiYCY screened signal control cable 300 V 3 core 0.5 mm ²	300 V	3 core	0.5 mm ²	39.0 Ω/km	Tinned copper braid screen	9 mm
LiYCY screened signal control cable 300 V 3 core 0.75 mm ²	300 V	3 core	0.75 mm ²	26.0 Ω/km	Tinned copper braid screen	10 mm
LiYCY screened signal control cable 300 V 3 core 1.0 mm ²	300 V	3 core	1.0 mm ²	19.5 Ω/km	Tinned copper braid screen	10 mm
LiYCY screened signal control cable 300 V 4 core 0.14 mm ²	300 V	4 core	0.14 mm ²	138 Ω/km	Tinned copper braid screen	9 mm
LiYCY screened signal control cable 300 V 4 core 0.25 mm ²	300 V	4 core	0.25 mm ²	79.9 Ω/km	Tinned copper braid screen	9 mm
LiYCY screened signal control cable 300 V 4 core 0.34 mm ²	300 V	4 core	0.34 mm ²	57.0 Ω/km	Tinned copper braid screen	10 mm
LiYCY screened signal control cable 300 V 4 core 0.5 mm ²	300 V	4 core	0.5 mm ²	39.0 Ω/km	Tinned copper braid screen	10 mm
LiYCY screened signal control cable 300 V 4 core 0.75 mm ²	300 V	4 core	0.75 mm ²	26.0 Ω/km	Tinned copper braid screen	10 mm
LiYCY screened signal control cable 300 V 4 core 1.0 mm ²	300 V	4 core	1.0 mm ²	19.5 Ω/km	Tinned copper braid screen	10 mm
LiYCY screened signal control cable 300 V 5 core 0.14 mm ²	300 V	5 core	0.14 mm ²	138 Ω/km	Tinned copper braid screen	9 mm
LiYCY screened signal control cable 300 V 5 core 0.25 mm ²	300 V	5 core	0.25 mm ²	79.9 Ω/km	Tinned copper braid screen	10 mm

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LiYCY screened signal control cable 300 V 5 core 0.34 mm ²	300 V	5 core	0.34 mm ²	57.0 Ω/km	Tinned copper braid screen	10 mm
LiYCY screened signal control cable 300 V 5 core 0.5 mm ²	300 V	5 core	0.5 mm ²	39.0 Ω/km	Tinned copper braid screen	10 mm
LiYCY screened signal control cable 300 V 5 core 0.75 mm ²	300 V	5 core	0.75 mm ²	26.0 Ω/km	Tinned copper braid screen	11 mm
LiYCY screened signal control cable 300 V 5 core 1.0 mm ²	300 V	5 core	1.0 mm ²	19.5 Ω/km	Tinned copper braid screen	11 mm
LiYCY screened signal control cable 300 V 7 core 0.14 mm ²	300 V	7 core	0.14 mm ²	138 Ω/km	Tinned copper braid screen	10 mm
LiYCY screened signal control cable 300 V 7 core 0.25 mm ²	300 V	7 core	0.25 mm ²	79.9 Ω/km	Tinned copper braid screen	10 mm
LiYCY screened signal control cable 300 V 7 core 0.34 mm ²	300 V	7 core	0.34 mm ²	57.0 Ω/km	Tinned copper braid screen	11 mm
LiYCY screened signal control cable 300 V 7 core 0.5 mm ²	300 V	7 core	0.5 mm ²	39.0 Ω/km	Tinned copper braid screen	11 mm
LiYCY screened signal control cable 300 V 7 core 0.75 mm ²	300 V	7 core	0.75 mm ²	26.0 Ω/km	Tinned copper braid screen	11 mm
LiYCY screened signal control cable 300 V 7 core 1.0 mm ²	300 V	7 core	1.0 mm ²	19.5 Ω/km	Tinned copper braid screen	11 mm
LiYCY screened signal control cable 300 V 12 core 0.14 mm ²	300 V	12 core	0.14 mm ²	138 Ω/km	Tinned copper braid screen	12 mm
LiYCY screened signal control cable 300 V 12 core 0.25 mm ²	300 V	12 core	0.25 mm ²	79.9 Ω/km	Tinned copper braid screen	12 mm
LiYCY screened signal control cable 300 V 12 core 0.34 mm ²	300 V	12 core	0.34 mm ²	57.0 Ω/km	Tinned copper braid screen	12 mm
LiYCY screened signal control cable 300 V 12 core 0.5 mm ²	300 V	12 core	0.5 mm ²	39.0 Ω/km	Tinned copper braid screen	12 mm
LiYCY screened signal control cable 300 V 12 core 0.75 mm ²	300 V	12 core	0.75 mm ²	26.0 Ω/km	Tinned copper braid screen	13 mm

Cable reference	Voltage class	Core / pair design	Conductor size	Max DC resistance at 20 °C	Screen / protection	OD guide
LiYCY screened signal control cable 300 V 12 core 1.0 mm ²	300 V	12 core	1.0 mm ²	19.5 Ω/km	Tinned copper braid screen	13 mm
LiYCY screened signal control cable 300 V 18 core 0.14 mm ²	300 V	18 core	0.14 mm ²	138 Ω/km	Tinned copper braid screen	13 mm
LiYCY screened signal control cable 300 V 18 core 0.25 mm ²	300 V	18 core	0.25 mm ²	79.9 Ω/km	Tinned copper braid screen	13 mm
LiYCY screened signal control cable 300 V 18 core 0.34 mm ²	300 V	18 core	0.34 mm ²	57.0 Ω/km	Tinned copper braid screen	13 mm
LiYCY screened signal control cable 300 V 18 core 0.5 mm ²	300 V	18 core	0.5 mm ²	39.0 Ω/km	Tinned copper braid screen	13 mm
LiYCY screened signal control cable 300 V 18 core 0.75 mm ²	300 V	18 core	0.75 mm ²	26.0 Ω/km	Tinned copper braid screen	14 mm
LiYCY screened signal control cable 300 V 18 core 1.0 mm ²	300 V	18 core	1.0 mm ²	19.5 Ω/km	Tinned copper braid screen	14 mm
LiYCY screened signal control cable 300 V 25 core 0.14 mm ²	300 V	25 core	0.14 mm ²	138 Ω/km	Tinned copper braid screen	14 mm
LiYCY screened signal control cable 300 V 25 core 0.25 mm ²	300 V	25 core	0.25 mm ²	79.9 Ω/km	Tinned copper braid screen	14 mm
LiYCY screened signal control cable 300 V 25 core 0.34 mm ²	300 V	25 core	0.34 mm ²	57.0 Ω/km	Tinned copper braid screen	14 mm
LiYCY screened signal control cable 300 V 25 core 0.5 mm ²	300 V	25 core	0.5 mm ²	39.0 Ω/km	Tinned copper braid screen	15 mm
LiYCY screened signal control cable 300 V 25 core 0.75 mm ²	300 V	25 core	0.75 mm ²	26.0 Ω/km	Tinned copper braid screen	15 mm
LiYCY screened signal control cable 300 V 25 core 1.0 mm ²	300 V	25 core	1.0 mm ²	19.5 Ω/km	Tinned copper braid screen	15 mm