



PAIRED SCREENED CONTROL CABLE

VDE 0812

40 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 × Ø0.14 mm · IEC 60228 cl.5
- 2 ■ Pair insulation – PVC
- 3 ■ Filler – Bedding / filler
- 4 ■ Overall screen (OS) – Al/polyester foil + drain
- 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
LiICY TP paired screened control cable 300 V 2 pair 0.25 mm ²	300 V	2 pair	0.25 mm ²	79.9 Ω/km	Paired elements with overall tinned copper braid screen	9 mm
LiICY TP paired screened control cable 300 V 2 pair 0.34 mm ²	300 V	2 pair	0.34 mm ²	57.0 Ω/km	Paired elements with overall tinned copper braid screen	10 mm
LiICY TP paired screened control cable 300 V 2 pair 0.5 mm ²	300 V	2 pair	0.5 mm ²	39.0 Ω/km	Paired elements with overall tinned copper braid screen	10 mm
LiICY TP paired screened control cable 300 V 2 pair 0.75 mm ²	300 V	2 pair	0.75 mm ²	26.0 Ω/km	Paired elements with overall tinned copper braid screen	10 mm
LiICY TP paired screened control cable 300 V 2 pair 1.0 mm ²	300 V	2 pair	1.0 mm ²	19.5 Ω/km	Paired elements with overall tinned copper braid screen	11 mm
LiICY TP paired screened control cable 300 V 3	300 V	3 pair	0.25 mm ²	79.9 Ω/km	Paired elements with overall tinned copper	10 mm

Cable reference	Voltage class	Core / pair design	Conductor size	Max DC resistance at 20 °C	Screen / protection	OD guide
pair 0.25 mm ²					braid screen	
LiYCY TP paired screened control cable 300 V 3 pair 0.34 mm ²	300 V	3 pair	0.34 mm ²	57.0 Ω/km	Paired elements with overall tinned copper braid screen	10 mm
LiYCY TP paired screened control cable 300 V 3 pair 0.5 mm ²	300 V	3 pair	0.5 mm ²	39.0 Ω/km	Paired elements with overall tinned copper braid screen	11 mm
LiYCY TP paired screened control cable 300 V 3 pair 0.75 mm ²	300 V	3 pair	0.75 mm ²	26.0 Ω/km	Paired elements with overall tinned copper braid screen	11 mm
LiYCY TP paired screened control cable 300 V 3 pair 1.0 mm ²	300 V	3 pair	1.0 mm ²	19.5 Ω/km	Paired elements with overall tinned copper braid screen	11 mm
LiYCY TP paired screened control cable 300 V 4 pair 0.25 mm ²	300 V	4 pair	0.25 mm ²	79.9 Ω/km	Paired elements with overall tinned copper braid screen	11 mm
LiYCY TP paired screened control cable 300 V 4 pair 0.34 mm ²	300 V	4 pair	0.34 mm ²	57.0 Ω/km	Paired elements with overall tinned copper braid screen	11 mm
LiYCY TP paired screened control cable 300 V 4 pair 0.5 mm ²	300 V	4 pair	0.5 mm ²	39.0 Ω/km	Paired elements with overall tinned copper braid screen	11 mm
LiYCY TP paired screened control cable 300 V 4 pair 0.75 mm ²	300 V	4 pair	0.75 mm ²	26.0 Ω/km	Paired elements with overall tinned copper braid screen	11 mm
LiYCY TP paired screened control cable 300 V 4 pair 1.0 mm ²	300 V	4 pair	1.0 mm ²	19.5 Ω/km	Paired elements with overall tinned copper braid screen	12 mm
LiYCY TP paired screened control cable 300 V 6 pair 0.25 mm ²	300 V	6 pair	0.25 mm ²	79.9 Ω/km	Paired elements with overall tinned copper braid screen	11 mm
LiYCY TP paired screened control cable 300 V 6 pair 0.34 mm ²	300 V	6 pair	0.34 mm ²	57.0 Ω/km	Paired elements with overall tinned copper braid screen	12 mm
LiYCY TP paired screened control cable 300 V 6 pair 0.5 mm ²	300 V	6 pair	0.5 mm ²	39.0 Ω/km	Paired elements with overall tinned copper braid screen	12 mm
LiYCY TP paired screened control cable 300 V 6 pair 0.75 mm ²	300 V	6 pair	0.75 mm ²	26.0 Ω/km	Paired elements with overall tinned copper braid screen	12 mm
LiYCY TP paired screened control cable 300 V 6 pair 1.0 mm ²	300 V	6 pair	1.0 mm ²	19.5 Ω/km	Paired elements with overall tinned copper braid screen	12 mm

Cable reference	Voltage class	Core / pair design	Conductor size	Max DC resistance at 20 °C	Screen / protection	OD guide
LiYCY TP paired screened control cable 300 V 8 pair 0.25 mm ²	300 V	8 pair	0.25 mm ²	79.9 Ω/km	Paired elements with overall tinned copper braid screen	12 mm
LiYCY TP paired screened control cable 300 V 8 pair 0.34 mm ²	300 V	8 pair	0.34 mm ²	57.0 Ω/km	Paired elements with overall tinned copper braid screen	12 mm
LiYCY TP paired screened control cable 300 V 8 pair 0.5 mm ²	300 V	8 pair	0.5 mm ²	39.0 Ω/km	Paired elements with overall tinned copper braid screen	13 mm
LiYCY TP paired screened control cable 300 V 8 pair 0.75 mm ²	300 V	8 pair	0.75 mm ²	26.0 Ω/km	Paired elements with overall tinned copper braid screen	13 mm
LiYCY TP paired screened control cable 300 V 8 pair 1.0 mm ²	300 V	8 pair	1.0 mm ²	19.5 Ω/km	Paired elements with overall tinned copper braid screen	13 mm
LiYCY TP paired screened control cable 300 V 12 pair 0.25 mm ²	300 V	12 pair	0.25 mm ²	79.9 Ω/km	Paired elements with overall tinned copper braid screen	13 mm
LiYCY TP paired screened control cable 300 V 12 pair 0.34 mm ²	300 V	12 pair	0.34 mm ²	57.0 Ω/km	Paired elements with overall tinned copper braid screen	14 mm
LiYCY TP paired screened control cable 300 V 12 pair 0.5 mm ²	300 V	12 pair	0.5 mm ²	39.0 Ω/km	Paired elements with overall tinned copper braid screen	14 mm
LiYCY TP paired screened control cable 300 V 12 pair 0.75 mm ²	300 V	12 pair	0.75 mm ²	26.0 Ω/km	Paired elements with overall tinned copper braid screen	14 mm
LiYCY TP paired screened control cable 300 V 12 pair 1.0 mm ²	300 V	12 pair	1.0 mm ²	19.5 Ω/km	Paired elements with overall tinned copper braid screen	14 mm
LiYCY TP paired screened control cable 300 V 16 pair 0.25 mm ²	300 V	16 pair	0.25 mm ²	79.9 Ω/km	Paired elements with overall tinned copper braid screen	14 mm
LiYCY TP paired screened control cable 300 V 16 pair 0.34 mm ²	300 V	16 pair	0.34 mm ²	57.0 Ω/km	Paired elements with overall tinned copper braid screen	15 mm
LiYCY TP paired screened control cable 300 V 16 pair 0.5 mm ²	300 V	16 pair	0.5 mm ²	39.0 Ω/km	Paired elements with overall tinned copper braid screen	15 mm
LiYCY TP paired screened control cable 300 V 16 pair 0.75 mm ²	300 V	16 pair	0.75 mm ²	26.0 Ω/km	Paired elements with overall tinned copper braid screen	15 mm
LiYCY TP paired screened control cable 300 V 16 pair 1.0 mm ²	300 V	16 pair	1.0 mm ²	19.5 Ω/km	Paired elements with overall tinned copper braid screen	15 mm

Cable reference	Voltage class	Core / pair design	Conductor size	Max DC resistance at 20 °C	Screen / protection	OD guide
LiYCY TP paired screened control cable 300 V 24 pair 0.25 mm ²	300 V	24 pair	0.25 mm ²	79.9 Ω/km	Paired elements with overall tinned copper braid screen	16 mm
LiYCY TP paired screened control cable 300 V 24 pair 0.34 mm ²	300 V	24 pair	0.34 mm ²	57.0 Ω/km	Paired elements with overall tinned copper braid screen	16 mm
LiYCY TP paired screened control cable 300 V 24 pair 0.5 mm ²	300 V	24 pair	0.5 mm ²	39.0 Ω/km	Paired elements with overall tinned copper braid screen	17 mm
LiYCY TP paired screened control cable 300 V 24 pair 0.75 mm ²	300 V	24 pair	0.75 mm ²	26.0 Ω/km	Paired elements with overall tinned copper braid screen	17 mm
LiYCY TP paired screened control cable 300 V 24 pair 1.0 mm ²	300 V	24 pair	1.0 mm ²	19.5 Ω/km	Paired elements with overall tinned copper braid screen	17 mm

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