



PAIRED SCREENED FLEXIBLE CONTROL CABLE

VDE 0812

40 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 × Ø0.14 mm · IEC 60228 cl.5
- 2 ■ Pair insulation – PVC
- 3 ■ Filler – Bedding / filler
- 4 ■ Overall screen (OS) – Al/polyester foil + drain
- 5 ■ Sheath – PVC 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 TP paired flexible control cable 300 V Paired signal control 2 pair 0.25 mm ²	Paired signal control	2 pair	0.25 mm ²	79.9 Ω/km	Twisted pairs with overall tinned copper braid screen	9.9 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 2 pair 0.34 mm ²	Paired signal control	2 pair	0.34 mm ²	57.0 Ω/km	Twisted pairs with overall tinned copper braid screen	10.1 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 2 pair 0.5 mm ²	Paired signal control	2 pair	0.5 mm ²	39.0 Ω/km	Twisted pairs with overall tinned copper braid screen	10.3 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 2 pair 0.75 mm ²	Paired signal control	2 pair	0.75 mm ²	26.0 Ω/km	Twisted pairs with overall tinned copper braid screen	10.7 mm

Cable reference	Service class	Core design	Conductor size	Max DC resistance at 20 °C	EMC / protection	OD guide
LiYCY TP paired flexible control cable 300 V Paired signal control 2 pair 1.0 mm ²	Paired signal control	2 pair	1.0 mm ²	19.5 Ω/km	Twisted pairs with overall tinned copper braid screen	11.0 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 3 pair 0.25 mm ²	Paired signal control	3 pair	0.25 mm ²	79.9 Ω/km	Twisted pairs with overall tinned copper braid screen	10.5 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 3 pair 0.34 mm ²	Paired signal control	3 pair	0.34 mm ²	57.0 Ω/km	Twisted pairs with overall tinned copper braid screen	10.7 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 3 pair 0.5 mm ²	Paired signal control	3 pair	0.5 mm ²	39.0 Ω/km	Twisted pairs with overall tinned copper braid screen	11.0 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 3 pair 0.75 mm ²	Paired signal control	3 pair	0.75 mm ²	26.0 Ω/km	Twisted pairs with overall tinned copper braid screen	11.3 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 3 pair 1.0 mm ²	Paired signal control	3 pair	1.0 mm ²	19.5 Ω/km	Twisted pairs with overall tinned copper braid screen	11.6 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 4 pair 0.25 mm ²	Paired signal control	4 pair	0.25 mm ²	79.9 Ω/km	Twisted pairs with overall tinned copper braid screen	11.1 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 4 pair 0.34 mm ²	Paired signal control	4 pair	0.34 mm ²	57.0 Ω/km	Twisted pairs with overall tinned copper braid screen	11.3 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 4 pair 0.5 mm ²	Paired signal control	4 pair	0.5 mm ²	39.0 Ω/km	Twisted pairs with overall tinned copper braid screen	11.5 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 4 pair 0.75 mm ²	Paired signal control	4 pair	0.75 mm ²	26.0 Ω/km	Twisted pairs with overall tinned copper braid screen	11.9 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 4 pair 1.0 mm ²	Paired signal control	4 pair	1.0 mm ²	19.5 Ω/km	Twisted pairs with overall tinned copper braid screen	12.2 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 6 pair 0.25 mm ²	Paired signal control	6 pair	0.25 mm ²	79.9 Ω/km	Twisted pairs with overall tinned copper braid screen	12.0 mm

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LiYCY TP paired flexible control cable 300 V Paired signal control 6 pair 0.34 mm ²	Paired signal control	6 pair	0.34 mm ²	57.0 Ω/km	Twisted pairs with overall tinned copper braid screen	12.2 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 6 pair 0.5 mm ²	Paired signal control	6 pair	0.5 mm ²	39.0 Ω/km	Twisted pairs with overall tinned copper braid screen	12.4 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 6 pair 0.75 mm ²	Paired signal control	6 pair	0.75 mm ²	26.0 Ω/km	Twisted pairs with overall tinned copper braid screen	12.8 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 6 pair 1.0 mm ²	Paired signal control	6 pair	1.0 mm ²	19.5 Ω/km	Twisted pairs with overall tinned copper braid screen	13.1 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 8 pair 0.25 mm ²	Paired signal control	8 pair	0.25 mm ²	79.9 Ω/km	Twisted pairs with overall tinned copper braid screen	12.8 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 8 pair 0.34 mm ²	Paired signal control	8 pair	0.34 mm ²	57.0 Ω/km	Twisted pairs with overall tinned copper braid screen	13.0 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 8 pair 0.5 mm ²	Paired signal control	8 pair	0.5 mm ²	39.0 Ω/km	Twisted pairs with overall tinned copper braid screen	13.2 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 8 pair 0.75 mm ²	Paired signal control	8 pair	0.75 mm ²	26.0 Ω/km	Twisted pairs with overall tinned copper braid screen	13.6 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 8 pair 1.0 mm ²	Paired signal control	8 pair	1.0 mm ²	19.5 Ω/km	Twisted pairs with overall tinned copper braid screen	13.9 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 12 pair 0.25 mm ²	Paired signal control	12 pair	0.25 mm ²	79.9 Ω/km	Twisted pairs with overall tinned copper braid screen	14.1 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 12 pair 0.34 mm ²	Paired signal control	12 pair	0.34 mm ²	57.0 Ω/km	Twisted pairs with overall tinned copper braid screen	14.3 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 12 pair 0.5 mm ²	Paired signal control	12 pair	0.5 mm ²	39.0 Ω/km	Twisted pairs with overall tinned copper braid screen	14.5 mm

Cable reference	Service class	Core design	Conductor size	Max DC resistance at 20 °C	EMC / protection	OD guide
LiYCY TP paired flexible control cable 300 V Paired signal control 12 pair 0.75 mm ²	Paired signal control	12 pair	0.75 mm ²	26.0 Ω/km	Twisted pairs with overall tinned copper braid screen	14.9 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 12 pair 1.0 mm ²	Paired signal control	12 pair	1.0 mm ²	19.5 Ω/km	Twisted pairs with overall tinned copper braid screen	15.2 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 16 pair 0.25 mm ²	Paired signal control	16 pair	0.25 mm ²	79.9 Ω/km	Twisted pairs with overall tinned copper braid screen	15.2 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 16 pair 0.34 mm ²	Paired signal control	16 pair	0.34 mm ²	57.0 Ω/km	Twisted pairs with overall tinned copper braid screen	15.4 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 16 pair 0.5 mm ²	Paired signal control	16 pair	0.5 mm ²	39.0 Ω/km	Twisted pairs with overall tinned copper braid screen	15.6 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 16 pair 0.75 mm ²	Paired signal control	16 pair	0.75 mm ²	26.0 Ω/km	Twisted pairs with overall tinned copper braid screen	16.0 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 16 pair 1.0 mm ²	Paired signal control	16 pair	1.0 mm ²	19.5 Ω/km	Twisted pairs with overall tinned copper braid screen	16.3 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 24 pair 0.25 mm ²	Paired signal control	24 pair	0.25 mm ²	79.9 Ω/km	Twisted pairs with overall tinned copper braid screen	17.0 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 24 pair 0.34 mm ²	Paired signal control	24 pair	0.34 mm ²	57.0 Ω/km	Twisted pairs with overall tinned copper braid screen	17.2 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 24 pair 0.5 mm ²	Paired signal control	24 pair	0.5 mm ²	39.0 Ω/km	Twisted pairs with overall tinned copper braid screen	17.5 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 24 pair 0.75 mm ²	Paired signal control	24 pair	0.75 mm ²	26.0 Ω/km	Twisted pairs with overall tinned copper braid screen	17.8 mm
LiYCY TP paired flexible control cable 300 V Paired signal control 24 pair 1.0 mm ²	Paired signal control	24 pair	1.0 mm ²	19.5 Ω/km	Twisted pairs with overall tinned copper braid screen	18.1 mm

