



EMC SCREENED CONTROL CABLE

VDE 0250

60 orderable sizes

STANDARD VDE 0250	VOLTAGE CLASS 300/500 V	CONDUCTOR Class 5 flexible copper conductor
INSULATION / JACKET PVC		

Construction

- 1 ■ Conductor (per core) – Class 5 flexible copper conductor · 24 × Ø0.2 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
CY screened control cable 300/500 V 2 core 0.75 mm ²	300/500 V	2 core	0.75 mm ²	26.0 Ω/km	Tinned copper wire braid screen	10 mm
CY screened control cable 300/500 V 2 core 1.0 mm ²	300/500 V	2 core	1.0 mm ²	19.5 Ω/km	Tinned copper wire braid screen	10 mm
CY screened control cable 300/500 V 2 core 1.5 mm ²	300/500 V	2 core	1.5 mm ²	13.3 Ω/km	Tinned copper wire braid screen	11 mm
CY screened control cable 300/500 V 2 core 2.5 mm ²	300/500 V	2 core	2.5 mm ²	7.98 Ω/km	Tinned copper wire braid screen	11 mm
CY screened control cable 300/500 V 2 core 4 mm ²	300/500 V	2 core	4 mm ²	4.95 Ω/km	Tinned copper wire braid screen	12 mm
CY screened control cable 300/500 V 2 core 6 mm ²	300/500 V	2 core	6 mm ²	3.30 Ω/km	Tinned copper wire braid	13 mm

Cable reference	Voltage class	Core / pair design	Conductor size	Max DC resistance at 20 °C	Screen / protection	OD guide
					screen	
CY screened control cable 300/500 V 3 core 0.75 mm ²	300/500 V	3 core	0.75 mm ²	26.0 Ω/km	Tinned copper wire braid screen	10 mm
CY screened control cable 300/500 V 3 core 1.0 mm ²	300/500 V	3 core	1.0 mm ²	19.5 Ω/km	Tinned copper wire braid screen	11 mm
CY screened control cable 300/500 V 3 core 1.5 mm ²	300/500 V	3 core	1.5 mm ²	13.3 Ω/km	Tinned copper wire braid screen	11 mm
CY screened control cable 300/500 V 3 core 2.5 mm ²	300/500 V	3 core	2.5 mm ²	7.98 Ω/km	Tinned copper wire braid screen	12 mm
CY screened control cable 300/500 V 3 core 4 mm ²	300/500 V	3 core	4 mm ²	4.95 Ω/km	Tinned copper wire braid screen	13 mm
CY screened control cable 300/500 V 3 core 6 mm ²	300/500 V	3 core	6 mm ²	3.30 Ω/km	Tinned copper wire braid screen	14 mm
CY screened control cable 300/500 V 4 core 0.75 mm ²	300/500 V	4 core	0.75 mm ²	26.0 Ω/km	Tinned copper wire braid screen	11 mm
CY screened control cable 300/500 V 4 core 1.0 mm ²	300/500 V	4 core	1.0 mm ²	19.5 Ω/km	Tinned copper wire braid screen	11 mm
CY screened control cable 300/500 V 4 core 1.5 mm ²	300/500 V	4 core	1.5 mm ²	13.3 Ω/km	Tinned copper wire braid screen	11 mm
CY screened control cable 300/500 V 4 core 2.5 mm ²	300/500 V	4 core	2.5 mm ²	7.98 Ω/km	Tinned copper wire braid screen	12 mm
CY screened control cable 300/500 V 4 core 4 mm ²	300/500 V	4 core	4 mm ²	4.95 Ω/km	Tinned copper wire braid screen	13 mm
CY screened control cable 300/500 V 4 core 6 mm ²	300/500 V	4 core	6 mm ²	3.30 Ω/km	Tinned copper wire braid screen	14 mm
CY screened control cable 300/500 V 5 core 0.75 mm ²	300/500 V	5 core	0.75 mm ²	26.0 Ω/km	Tinned copper wire braid screen	11 mm
CY screened control cable 300/500 V 5 core 1.0 mm ²	300/500 V	5 core	1.0 mm ²	19.5 Ω/km	Tinned copper wire braid screen	11 mm
CY screened control cable 300/500 V 5 core 1.5 mm ²	300/500 V	5 core	1.5 mm ²	13.3 Ω/km	Tinned copper wire braid screen	12 mm

Cable reference	Voltage class	Core / pair design	Conductor size	Max DC resistance at 20 °C	Screen / protection	OD guide
CY screened control cable 300/500 V 5 core 2.5 mm ²	300/500 V	5 core	2.5 mm ²	7.98 Ω/km	Tinned copper wire braid screen	13 mm
CY screened control cable 300/500 V 5 core 4 mm ²	300/500 V	5 core	4 mm ²	4.95 Ω/km	Tinned copper wire braid screen	13 mm
CY screened control cable 300/500 V 5 core 6 mm ²	300/500 V	5 core	6 mm ²	3.30 Ω/km	Tinned copper wire braid screen	14 mm
CY screened control cable 300/500 V 7 core 0.75 mm ²	300/500 V	7 core	0.75 mm ²	26.0 Ω/km	Tinned copper wire braid screen	12 mm
CY screened control cable 300/500 V 7 core 1.0 mm ²	300/500 V	7 core	1.0 mm ²	19.5 Ω/km	Tinned copper wire braid screen	12 mm
CY screened control cable 300/500 V 7 core 1.5 mm ²	300/500 V	7 core	1.5 mm ²	13.3 Ω/km	Tinned copper wire braid screen	13 mm
CY screened control cable 300/500 V 7 core 2.5 mm ²	300/500 V	7 core	2.5 mm ²	7.98 Ω/km	Tinned copper wire braid screen	13 mm
CY screened control cable 300/500 V 7 core 4 mm ²	300/500 V	7 core	4 mm ²	4.95 Ω/km	Tinned copper wire braid screen	14 mm
CY screened control cable 300/500 V 7 core 6 mm ²	300/500 V	7 core	6 mm ²	3.30 Ω/km	Tinned copper wire braid screen	15 mm
CY screened control cable 300/500 V 12 core 0.75 mm ²	300/500 V	12 core	0.75 mm ²	26.0 Ω/km	Tinned copper wire braid screen	13 mm
CY screened control cable 300/500 V 12 core 1.0 mm ²	300/500 V	12 core	1.0 mm ²	19.5 Ω/km	Tinned copper wire braid screen	13 mm
CY screened control cable 300/500 V 12 core 1.5 mm ²	300/500 V	12 core	1.5 mm ²	13.3 Ω/km	Tinned copper wire braid screen	14 mm
CY screened control cable 300/500 V 12 core 2.5 mm ²	300/500 V	12 core	2.5 mm ²	7.98 Ω/km	Tinned copper wire braid screen	15 mm
CY screened control cable 300/500 V 12 core 4 mm ²	300/500 V	12 core	4 mm ²	4.95 Ω/km	Tinned copper wire braid screen	16 mm
CY screened control cable 300/500 V 12 core 6 mm ²	300/500 V	12 core	6 mm ²	3.30 Ω/km	Tinned copper wire braid screen	16 mm

Cable reference	Voltage class	Core / pair design	Conductor size	Max DC resistance at 20 °C	Screen / protection	OD guide
CY screened control cable 300/500 V 18 core 0.75 mm ²	300/500 V	18 core	0.75 mm ²	26.0 Ω/km	Tinned copper wire braid screen	14 mm
CY screened control cable 300/500 V 18 core 1.0 mm ²	300/500 V	18 core	1.0 mm ²	19.5 Ω/km	Tinned copper wire braid screen	15 mm
CY screened control cable 300/500 V 18 core 1.5 mm ²	300/500 V	18 core	1.5 mm ²	13.3 Ω/km	Tinned copper wire braid screen	15 mm
CY screened control cable 300/500 V 18 core 2.5 mm ²	300/500 V	18 core	2.5 mm ²	7.98 Ω/km	Tinned copper wire braid screen	16 mm
CY screened control cable 300/500 V 18 core 4 mm ²	300/500 V	18 core	4 mm ²	4.95 Ω/km	Tinned copper wire braid screen	17 mm
CY screened control cable 300/500 V 18 core 6 mm ²	300/500 V	18 core	6 mm ²	3.30 Ω/km	Tinned copper wire braid screen	18 mm
CY screened control cable 300/500 V 25 core 0.75 mm ²	300/500 V	25 core	0.75 mm ²	26.0 Ω/km	Tinned copper wire braid screen	16 mm
CY screened control cable 300/500 V 25 core 1.0 mm ²	300/500 V	25 core	1.0 mm ²	19.5 Ω/km	Tinned copper wire braid screen	16 mm
CY screened control cable 300/500 V 25 core 1.5 mm ²	300/500 V	25 core	1.5 mm ²	13.3 Ω/km	Tinned copper wire braid screen	16 mm
CY screened control cable 300/500 V 25 core 2.5 mm ²	300/500 V	25 core	2.5 mm ²	7.98 Ω/km	Tinned copper wire braid screen	17 mm
CY screened control cable 300/500 V 25 core 4 mm ²	300/500 V	25 core	4 mm ²	4.95 Ω/km	Tinned copper wire braid screen	18 mm
CY screened control cable 300/500 V 25 core 6 mm ²	300/500 V	25 core	6 mm ²	3.30 Ω/km	Tinned copper wire braid screen	19 mm
CY screened control cable 300/500 V 34 core 0.75 mm ²	300/500 V	34 core	0.75 mm ²	26.0 Ω/km	Tinned copper wire braid screen	17 mm
CY screened control cable 300/500 V 34 core 1.0 mm ²	300/500 V	34 core	1.0 mm ²	19.5 Ω/km	Tinned copper wire braid screen	17 mm
CY screened control cable 300/500 V 34 core 1.5 mm ²	300/500 V	34 core	1.5 mm ²	13.3 Ω/km	Tinned copper wire braid screen	18 mm

Cable reference	Voltage class	Core / pair design	Conductor size	Max DC resistance at 20 °C	Screen / protection	OD guide
CY screened control cable 300/500 V 34 core 2.5 mm ²	300/500 V	34 core	2.5 mm ²	7.98 Ω/km	Tinned copper wire braid screen	19 mm
CY screened control cable 300/500 V 34 core 4 mm ²	300/500 V	34 core	4 mm ²	4.95 Ω/km	Tinned copper wire braid screen	19 mm
CY screened control cable 300/500 V 34 core 6 mm ²	300/500 V	34 core	6 mm ²	3.30 Ω/km	Tinned copper wire braid screen	20 mm
CY screened control cable 300/500 V 50 core 0.75 mm ²	300/500 V	50 core	0.75 mm ²	26.0 Ω/km	Tinned copper wire braid screen	19 mm
CY screened control cable 300/500 V 50 core 1.0 mm ²	300/500 V	50 core	1.0 mm ²	19.5 Ω/km	Tinned copper wire braid screen	19 mm
CY screened control cable 300/500 V 50 core 1.5 mm ²	300/500 V	50 core	1.5 mm ²	13.3 Ω/km	Tinned copper wire braid screen	20 mm
CY screened control cable 300/500 V 50 core 2.5 mm ²	300/500 V	50 core	2.5 mm ²	7.98 Ω/km	Tinned copper wire braid screen	21 mm
CY screened control cable 300/500 V 50 core 4 mm ²	300/500 V	50 core	4 mm ²	4.95 Ω/km	Tinned copper wire braid screen	21 mm
CY screened control cable 300/500 V 50 core 6 mm ²	300/500 V	50 core	6 mm ²	3.30 Ω/km	Tinned copper wire braid screen	22 mm