



MECHANICALLY PROTECTED CONTROL CABLE

VDE 0250

35 orderable sizes

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

Construction

- 1 ■ Conductor (per core) – Class 5 flexible copper conductor · 50 × Ø0.25 mm · IEC 60228 cl.5
- 2 ■ Core insulation – PVC
- 3 ■ Filler – PP filler
- 4 ■ Shield – Braid shield (C)
- 5 ■ Sheath – Transparent 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
SY steel wire braid control cable 300/500 V 3 core 1.0 mm ²	300/500 V	3 core	1.0 mm ²	19.5 Ω/km	Galvanized steel wire braid mechanical protection	11 mm
SY steel wire braid control cable 300/500 V 3 core 1.5 mm ²	300/500 V	3 core	1.5 mm ²	13.3 Ω/km	Galvanized steel wire braid mechanical protection	12 mm
SY steel wire braid control cable 300/500 V 3 core 2.5 mm ²	300/500 V	3 core	2.5 mm ²	7.98 Ω/km	Galvanized steel wire braid mechanical protection	13 mm
SY steel wire braid control cable 300/500 V 3 core 4 mm ²	300/500 V	3 core	4 mm ²	4.95 Ω/km	Galvanized steel wire braid mechanical protection	13 mm
SY steel wire braid control cable 300/500 V 3 core 6 mm ²	300/500 V	3 core	6 mm ²	3.30 Ω/km	Galvanized steel wire braid	14 mm

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

Cable reference	Voltage class	Core / pair design	Conductor size	Max DC resistance at 20 °C	Screen / protection	OD guide
core 1.5 mm ²					mechanical protection	
SY steel wire braid control cable 300/500 V 7 core 2.5 mm ²	300/500 V	7 core	2.5 mm ²	7.98 Ω/km	Galvanized steel wire braid mechanical protection	14 mm
SY steel wire braid control cable 300/500 V 7 core 4 mm ²	300/500 V	7 core	4 mm ²	4.95 Ω/km	Galvanized steel wire braid mechanical protection	15 mm
SY steel wire braid control cable 300/500 V 7 core 6 mm ²	300/500 V	7 core	6 mm ²	3.30 Ω/km	Galvanized steel wire braid mechanical protection	16 mm
SY steel wire braid control cable 300/500 V 12 core 1.0 mm ²	300/500 V	12 core	1.0 mm ²	19.5 Ω/km	Galvanized steel wire braid mechanical protection	14 mm
SY steel wire braid control cable 300/500 V 12 core 1.5 mm ²	300/500 V	12 core	1.5 mm ²	13.3 Ω/km	Galvanized steel wire braid mechanical protection	15 mm
SY steel wire braid control cable 300/500 V 12 core 2.5 mm ²	300/500 V	12 core	2.5 mm ²	7.98 Ω/km	Galvanized steel wire braid mechanical protection	15 mm
SY steel wire braid control cable 300/500 V 12 core 4 mm ²	300/500 V	12 core	4 mm ²	4.95 Ω/km	Galvanized steel wire braid mechanical protection	16 mm
SY steel wire braid control cable 300/500 V 12 core 6 mm ²	300/500 V	12 core	6 mm ²	3.30 Ω/km	Galvanized steel wire braid mechanical protection	17 mm
SY steel wire braid control cable 300/500 V 18 core 1.0 mm ²	300/500 V	18 core	1.0 mm ²	19.5 Ω/km	Galvanized steel wire braid mechanical protection	16 mm
SY steel wire braid control cable 300/500 V 18 core 1.5 mm ²	300/500 V	18 core	1.5 mm ²	13.3 Ω/km	Galvanized steel wire braid mechanical protection	16 mm
SY steel wire braid control cable 300/500 V 18 core 2.5 mm ²	300/500 V	18 core	2.5 mm ²	7.98 Ω/km	Galvanized steel wire braid mechanical protection	17 mm
SY steel wire braid control cable 300/500 V	300/500 V	18 core	4 mm ²	4.95 Ω/km	Galvanized steel wire braid	18 mm

Cable reference	Voltage class	Core / pair design	Conductor size	Max DC resistance at 20 °C	Screen / protection	OD guide
18 core 4 mm ²					mechanical protection	
SY steel wire braid control cable 300/500 V 18 core 6 mm²	300/500 V	18 core	6 mm ²	3.30 Ω/km	Galvanized steel wire braid mechanical protection	19 mm
SY steel wire braid control cable 300/500 V 25 core 1.0 mm²	300/500 V	25 core	1.0 mm ²	19.5 Ω/km	Galvanized steel wire braid mechanical protection	17 mm
SY steel wire braid control cable 300/500 V 25 core 1.5 mm²	300/500 V	25 core	1.5 mm ²	13.3 Ω/km	Galvanized steel wire braid mechanical protection	17 mm
SY steel wire braid control cable 300/500 V 25 core 2.5 mm²	300/500 V	25 core	2.5 mm ²	7.98 Ω/km	Galvanized steel wire braid mechanical protection	18 mm
SY steel wire braid control cable 300/500 V 25 core 4 mm²	300/500 V	25 core	4 mm ²	4.95 Ω/km	Galvanized steel wire braid mechanical protection	19 mm
SY steel wire braid control cable 300/500 V 25 core 6 mm²	300/500 V	25 core	6 mm ²	3.30 Ω/km	Galvanized steel wire braid mechanical protection	20 mm

UE Cable · China — sales@uecable.com · uecable.com Confirm colour, printing, packing length, delivery country and test documents on enquiry.