

Flexible Control Cables

CC 550 CP

PUR control cable with numbered conductors, halogen-free, oil resistant and overall copper shielding



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Marking for CC 550 CP 52951210:
SAB BRÖCKSKES · D-VIERSEN · CC 550 CP 12x1.0mm² CE

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	SABIX®
Color code:	black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334, green/yellow ground from 3 conductors
Stranding:	in layers
Wrapping:	PETP foil
Shielding:	tinned copper braiding
Jacket material:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Jacket color:	black (RAL 9005)

Outstanding features:



- halogen-free
- very good mechanical strength
- abrasion resistant
- notch resistant
- good chemical resistance
- good EMC characteristics
- oil resistant
- flame retardant
- sunlight resistant
- weather resistant

Technical data:

Nominal voltage:	Uo/U 300/500 V
Testing voltage:	conductor/conductor: 2000 V conductor/shielding: 2000V
Min. bending radius:	<i>fixed installation:</i> 5 x O.D. <i>free movement:</i> 10 x O.D.
Temperature range:	<i>static:</i> -40/+90°C <i>flexible:</i> -30/+90°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Oil resistance:	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Chemical resistance:	good against acids, alkalines, solvents, hydraulic liquids etc.
Flexibility:	very good
Weather resistance:	good
Approvals:	CE, EAC, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 20 AWG (≈ 16/32) ▪ 0.50 mm²				
52950705	7	0.303	7.7	62
52951805	18	0.461	11.7	146
52953605	36	0.618	15.7	269
▶ 18 AWG (≈ 30/32) ▪ 1.00 mm²				
52951210	12	0.469	11.9	157
52954210	42	0.795	20.2	486

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 16 AWG (≈ 27-29/30) ▪ 1.50 mm²				
52950315	3	0.307	7.8	65
52950515	5	0.358	9.1	95
52951815	18	0.622	15.8	305
▶ 14 AWG (≈ 46/30) ▪ 2.50 mm²				
52950725	7	0.480	12.2	189

Other dimensions and colors are available on request



Application example: for the flexible laying in building and utility vehicles