



# CC-Control Cable-PUR-C-568

Halogen-free robust control cable 600V, shielded  
Conforms to EU low-voltage guideline 73/23/EEC CE



ConCab kabel Mainhardt 568 E172073 cUL STYLE 20234 600V 80°C CE

The flexible CC-Control cable PUR-C-568 shielded UL/CSA has been developed for use in machineries where high mechanical stress occurs and where flexibility and extensive chemical resistance are required. The PUR-based outer sheath allows the cable to be used in- and outdoors as well as in sewage- and seawater. Additionally, the outer sheath is extensively resistant to acids and lye, to industrial solvents, as well as mineral and hydro-synthetic oils.

## Construction

Fine strands of bare copper wire, TPE-based core insulation, cores are black with consecutive white numbering, cables with 3 cores or more contain a green/yellow protective conductor in the outer layer, cores twisted in layers in very short lay lengths, TPE-based inner sheath, tinned copper shield, fleece. PUR-based outer sheath, flame retardant and self-extinguishing (acc. to VDE 0482, part 265-2-1 resp. EN 50265-2-1, IEC 60332-1 and UL VW-1). Colour black (RAL 9005).

## Technical data

**Rated voltage:**  
VDE/IEC: 300/500 V  
UL/CSA: 600 V

**Test voltage:**  
3000 V

**Conductor stranding:**  
fine copper strands  
acc. to VDE 0295, class 5

**Insulation resistance:**  
min. 100 MOhm × km

**Temperature range:**  
-50°C to +105°C

**Bending radius:**  
flexible installation: 7,5 × cable diameter

**Approvals:**  
acc. to VDE 0250, 0282  
UL: Style 20234  
CSA: AWM I/II A/B FT1  
flame resistance: VW-1

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Part-No.	No. of cores + cross- section	No. of cores + AWG	Copper weight kg/km	Outer diameter approx. mm	Weight kg/km
568 18 03	3 G 1,0	3 × AWG 18	65,2	10,0	113
568 18 04	4 G 1,0	4 × AWG 18	78,3	10,7	155
568 18 05	5 G 1,0	5 × AWG 18	93,5	12,6	235
568 18 07	7 G 1,0	7 × AWG 18	145,0	14,4	279
568 18 12	12 G 1,0	12 × AWG 18	215,0	17,6	413
568 18 18	18 G 1,0	18 × AWG 18	301,0	20,0	554
568 18 25	25 G 1,0	25 × AWG 18	405,0	24,1	869
568 16 03	3 G 1,5	3 × AWG 16	87,5	10,8	136
568 16 04	4 G 1,5	4 × AWG 16	104,0	11,6	201
568 16 05	5 G 1,5	5 × AWG 16	143,0	13,6	267
568 16 07	7 G 1,5	7 × AWG 16	190,0	15,6	377
568 16 12	12 G 1,5	12 × AWG 16	290,0	19,2	513
568 16 18	18 G 1,5	18 × AWG 16	408,0	22,0	703
568 16 25	25 G 1,5	25 × AWG 16	552,0	27,2	1101
568 14 02	2 X 2,5	2 × AWG 14	134,0	13,9	255
568 14 03	3 G 2,5	3 × AWG 14	164,0	15,1	308
568 14 04	4 G 2,5	4 × AWG 14	195,0	17,2	395
568 14 07	7 G 2,5	7 × AWG 14	281,0	19,4	523
568 12 03	3 G 4	3 × AWG 12	205,0	16,2	352
568 12 04	4 G 4	4 × AWG 12	240,0	17,5	425
568 10 03	3 G 6	3 × AWG 10	337,0	18,1	447
568 10 04	4 G 6	4 × AWG 10	438,0	19,6	551
568 10 05	5 G 6	5 × AWG 10	532,0	20,1	663
568 08 04	4 G 10	4 × AWG 8	587,0	25,9	1003
568 06 04	4 G 16	4 × AWG 6	765,0	29,3	1337

Special needs, different dimensions or different outer sheath colours upon request.