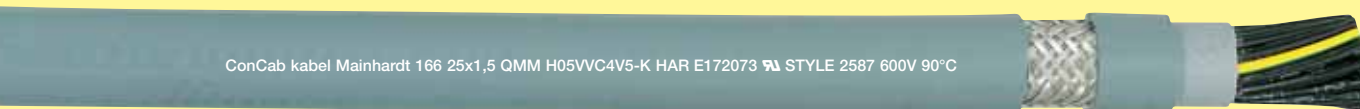




CC-Dreinorm-CY-166

Oil resistant PVC-control cable with approvals, shielded
Conforms to the EC low voltage guideline 73/23/EEC

HAR and 



Technical data

Rated voltage:

VDE/IEC: 300/500 V
UL: 600 V

Test voltage:

3000 V

Conductor stranding:

fine copper strands
acc. to VDE 0295, class 5
resp. UL-Style 1012

Core insulation:

PVC Typ TI2 acc. to VDE 0207, part 4
resp. UL-Style 1012

Outer sheath:

PVC Typ YM5 acc. to VDE 0207, part 5
resp. UL-Style 2587

Insulation resistance:

min. 20 MOhm × km

Temperature range:

fixed installation: HAR -40°C to +70°C
UL -40°C to +90°C
flexible application: HAR -5°C to +70°C
UL -5°C to +90°C

Bending radius:

fixed installation: 5 × cable diameter
flexible application: 15 × cable diameter

Approvals:

VDE 0281, part 13
HD 21.13 S1
UL: Style 2587 VW1

The flexible CC-Dreinorm-CY-166 is especially designed for the North American market. It is particularly good as a control, regulating and measuring cable. It is used in machine tool, plant and apparatus construction, heating, air conditioning and ventilation technology and for other applications where a greater electromagnetic compatibility (EMC) as well as oil resistance acc. to VDE 0281, part 13 resp. HD 21.13 S1 and UL 2587 are required. The PVC outer sheath is free of silicone, cadmium and free of harmful substances.

Construction

Fine strands of bare copper wire with PVC core insulation. Cores black with consecutive white numbering. 3 cores or more with protective green/yellow conductor in the outer layer. Cores twisted in layers. PVC inner sheath with overall tinned copper shield. Oil resistant PVC outer sheath, flame retardant and self-extinguishing (acc. to VDE 0482, part 265-2-1 resp. EN 50265-2-1 and IEC 60332-1 and CSA FT1). Colour grey (RAL 7001).

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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
166 0005 003	3 G 0,5	3 × AWG 20	36,0	9,0	109
166 0005 004	4 G 0,5	4 × AWG 20	42,0	9,6	126
166 0005 005	5 G 0,5	5 × AWG 20	48,0	10,4	156
166 0005 007	7 G 0,5	7 × AWG 20	64,0	12,1	192
166 0005 012	12 G 0,5	12 × AWG 20	105,0	13,5	280
166 0005 018	18 G 0,5	18 × AWG 20	147,0	15,8	384
166 0005 025	25 G 0,5	25 × AWG 20	210,0	20,0	556
166 0005 034	34 G 0,5	34 × AWG 20	298,0	22,4	634
166 0005 041	41 G 0,5	41 × AWG 20	349,0	23,0	770
166 0005 050	50 G 0,5	50 × AWG 20	470,0	25,0	970
166 0005 061	61 G 0,5	61 × AWG 20	530,0	26,8	1072
166 0007 003	3 G 0,75	3 × AWG 19	55,0	9,3	115
166 0007 004	4 G 0,75	4 × AWG 19	67,0	10,2	150
166 0007 005	5 G 0,75	5 × AWG 19	78,0	10,9	184
166 0007 007	7 G 0,75	7 × AWG 19	90,0	12,9	235
166 0007 012	12 G 0,75	12 × AWG 19	166,0	14,3	355
166 0007 018	18 G 0,75	18 × AWG 19	190,0	16,9	488
166 0007 025	25 G 0,75	25 × AWG 19	275,0	21,5	654
166 0007 034	34 G 0,75	34 × AWG 19	400,0	23,7	861
166 0007 041	41 G 0,75	41 × AWG 19	470,0	24,5	970
166 0007 050	50 G 0,75	50 × AWG 19	582,0	26,8	1160
166 0007 061	61 G 0,75	61 × AWG 19	679,0	29,4	1402
166 0010 003	3 G 1,0	3 × AWG 18	62,0	9,9	142
166 0010 004	4 G 1,0	4 × AWG 18	78,0	10,5	175
166 0010 005	5 G 1,0	5 × AWG 18	91,0	11,5	205
166 0010 007	7 G 1,0	7 × AWG 18	118,0	13,6	264
166 0010 012	12 G 1,0	12 × AWG 18	185,0	16,2	420
166 0010 018	18 G 1,0	18 × AWG 18	304,0	18,9	580
166 0010 025	25 G 1,0	25 × AWG 18	370,0	22,4	766
166 0010 034	34 G 1,0	34 × AWG 18	420,0	25,1	996
166 0010 041	41 G 1,0	41 × AWG 18	578,0	26,1	1155
166 0010 050	50 G 1,0	50 × AWG 18	728,0	28,5	1300
166 0010 061	61 G 1,0	61 × AWG 18	883,0	30,1	1500



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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
166 0015 003	3 G 1,5	3 × AWG 16	83,0	10,9	176
166 0015 004	4 G 1,5	4 × AWG 16	95,0	11,9	235
166 0015 005	5 G 1,5	5 × AWG 16	118,0	13,2	245
166 0015 007	7 G 1,5	7 × AWG 16	170,0	15,7	314
166 0015 012	12 G 1,5	12 × AWG 16	240,0	18,7	500
166 0015 018	18 G 1,5	16 × AWG 16	355,0	21,8	657
166 0015 025	25 G 1,5	25 × AWG 16	498,0	26,8	950
166 0015 034	34 G 1,5	34 × AWG 16	754,0	29,5	1204
166 0015 041	41 G 1,5	41 × AWG 16	805,0	30,7	1453
166 0015 050	50 G 1,5	50 × AWG 16	1033,0	34,0	1663
166 0015 061	61 G 1,5	61 × AWG 16	1238,0	36,5	1852
166 0025 003	3 G 2,5	3 × AWG 14	110,0	12,6	243
166 0025 004	4 G 2,5	4 × AWG 14	143,0	14,0	280
166 0025 005	5 G 2,5	5 × AWG 14	182,0	15,5	342
166 0025 007	7 G 2,5	7 × AWG 14	267,0	18,4	439
166 0025 012	12 G 2,5	12 × AWG 14	409,0	20,6	670
166 0025 018	18 G 2,5	14 × AWG 14	608,0	24,3	1052
166 0025 025	25 G 2,5	25 × AWG 14	897,0	31,3	1375
166 0025 034	34 G 2,5	34 × AWG 14	1179,0	35,0	1892
166 0025 050	50 G 2,5	50 × AWG 14	1660,0	38,5	2673
166 0025 061	61 G 2,5	61 × AWG 14	1992,0	42,0	3085

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