

Control and connection cables

CC 600 World CY

PVC control cable with numbered cores, inner sheath and overall copper screen



Marking for CC 600 World CY 02561215:

SAB BRÖCKSKES · D-VIERSEN · <VDE> <HAR> H05VVC4V5-K 02561215 12G1,5mm² CC 600 World MCY 16 AWG/12c 02561612

AWM Style 21216 90°C 600V Oil 60°C CSA AWM I/II A/B 90°C F 600V FT1 FT2 CE

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	PVC, TI2 acc. to EN 50363-3 + VDE 0207-363-3
Colour code:	black cores with consecutive numbers acc. to EN 50334 + VDE 0293-334, green-yellow earth wire from 3 cores
Stranding:	in layers
Inner sheath:	PVC, TM2 acc. to EN 50363-4-1 + VDE 0207-363-4-1
Screen:	tinned copper braiding
Sheath material:	PVC, TM5 acc. to EN 50363-4-1 + VDE 0207-363-4-1
Sheath colour:	grey (RAL 7000)

Outstanding features:



- good EMC characteristics
- flexible
- oil resistant
- VDE resp. HAR standardized,
UL recognized, CSA approved

Technical data:

Nominal voltage:	U ₀ /U 300/500 V	
Voltage UL/CSA:	600 V	
Testing voltage:	core/core 3000 V	core/screen 2000 V
Min. bending radius		
<i>fixed laying:</i>	5 x d	
<i>flexible application:</i>	10 x d	
Radiation resistance:	8 x 10 ⁷ cJ/kg	
Temperature range	DIN VDE	UL/CSA: up to +90 °C
<i>fixed laying:</i>	-40/+70 °C	
<i>flexible application:</i>	+5/+70 °C	
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL VW-1, CSA FT1, FT2	
Oil resistance:	very good - TM5 acc. to EN 50363-4-1 + VDE 0207-363-4-1	
Chem. resistance:	see chapter N „Technical data“	
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“	

item no.	no. of cores x cross section n x AWG	AWG cross section	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
02560305	3 x 0,50	20	9,1	48,4	121
02560405	4 x 0,50	20	9,9	66,9	149
02560505	5 x 0,50	20	10,6	71,3	168
02560705	7 x 0,50	20	12,2	83,8	215
02561205	12 x 0,50	20	14,4	120,7	291
02561805	18 x 0,50	20	16,9	197,3	425
02560307	3 x 0,75	19	9,9	68,1	150
02560407	4 x 0,75	19	10,6	74,7	169
02560507	5 x 0,75	19	11,4	83,0	195
02560707	7 x 0,75	19	13,2	108,4	259
02561207	12 x 0,75	19	16,0	173,3	371
02561807	18 x 0,75	19	18,4	238,7	505
02560310	3 x 1,00	18	10,1	75,7	160
02560410	4 x 1,00	18	10,5	81,8	172
02560510	5 x 1,00	18	11,7	95,5	211
02560710	7 x 1,00	18	13,6	125,6	283
02561210	12 x 1,00	18	16,5	219,9	422
02561810	18 x 1,00	18	19,1	283,6	564
02560315	3 x 1,50	16	11,1	89,7	193
02560415	4 x 1,50	16	12,2	105,8	229
02560515	5 x 1,50	16	13,3	130,1	277
02560715	7 x 1,50	16	15,9	187,4	392
02561215	12 x 1,50	16	18,9	272,3	535
02561815	18 x 1,50	16	22,5	398,2	783
02560325	3 x 2,50	14	12,9	129,5	266
02560425	4 x 2,50	14	13,8	154,4	306
02560525	5 x 2,50	14	15,5	205,9	393
02560725	7 x 2,50	14	18,1	276,3	535
02561225	12 x 2,50	14	22,3	410,6	773
02561825	18 x 2,50	14	25,8	582,0	1066

Other dimensions and colours are possible on request.