

Datasheet AWG-Litzen

Version 1/2009

PVC Insulated Single Core Wire with UL and CSA approbation

Application:

To the internal wiring of devices, switch arrangements and machines as well as for the protected transfer in and on lights.



Construction:

- 1 fine-stranded bare copper
- 2 PCV insulation

Information:

AWG 24 = app. 0,205mm² AWG 14 = app. 2,080mm²
 AWG 22 = app. 0,324mm² AWG 12 = app. 3,310mm²
 AWG 20 = app. 0,519mm² AWG 10 = app. 5,261mm²
 AWG 18 = app. 0,823mm² AWG 08 = app. 8,367mm²
 AWG 16 = app. 1,310mm² AWG 06 = app. 13,30mm²
 More cross sections on enquiry.

According to:

DIN EN 60228 Class 5 (construction)
 UL / CSA / MTW 1015+1063
 UL 758, UL 1581
 CSA C 22.2 Nr. 127

Technical data:

Nominal voltage U ₀ /U		[V]	600 Volt
Test voltage		[V] _{AC}	4000
Temperature range	in motion		+5 °C till +105 °C
	fixed		-15 °C till +105 °C
Operating temperature	short circuit	°C	160
Short circuit time	max.	[sec]	5
Flammability	standard		EN 60332-1-2

Nominal cross section mm ²	Colours	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter appr. mm	Weight appr. kg / km
AWG 24/7	bk/bl/br/vi/wh/gn/ye/rd	2,2	14 x 0,15	2,2	8
AWG 22	bk/bl/br/ye/dbl/gr vi/wh/or/gn/ye/rd	5,0	16 x 0,20	2,4	10
AWG 20	bk/bl/br/ye/dbl/gr vi/wh/or/gn/ye/rd	7,5	24 x 0,20	2,6	12
AWG 18	bk/bl/br/ye/dbl/gr vi/wh/or/gn/ye/rd	10,0	32 x 0,20	2,8	16
AWG 16	bk/bl/br/ye/dbl/gr vi/wh/or/gn/ye/rd	15,0	84 x 0,30	3,1	22
AWG 14	bk/bl/br/ye/dbl/gr vi/wh/or/gn/ye/rd	25,0	50 x 0,25	3,5	31

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Nominal cross section mm ²	Colours	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter appr. mm	Weight appr. kg / km
AWG 12	bk/bl/br/yp/dbl/gr vi/wh/or/gn/ye/rd	40,0	56 x 0,30	4,0	45
AWG 10	bk/bl/br/yp/dbl/gr vi/wh/or/gn/ye/rd	60,0	84 x 0,30	4,6	65
AWG 8	bk/bl/br/yp/dbl/gr vi/wh/or/gn/ye/rd	100,0	80 x 0,40	6,5	110
AWG 6	bk/bl/br/yp/dbl/gr vi/wh/or/gn/ye/rd	160,0	128 x 0,40	8,0	175