

Vandapower distributes the Global Cables brand of high quality power and data cables. Both single conductor and multi conductor, both European and UL standards. Please feel free to contact us for any special cable requirements.

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# Single Conductor Cable

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**Tri-rated – H05V2-K / H07V2-K / BS 6231 - UL1015 CSA 22.2 Flexible PVC Cable**



**TECHNICAL SPECIFICATIONS**


<b>Cable standards</b>	BS EN 50525-2-31 BS 6231 Type CK, UL Subj.758, CSA C22.2 No. 210 (HD 21.7 S2) #LL246095, BS EN/IEC 60332, BS EN 60228
<b>Voltage rating</b>	UL, CSA: 600/1000V BS 6231: 600/1000V BS EN 50525-2-31: 300/500V, 450/750V
<b>Temperature rating</b>	UL, CSA: +105°C BS 6231: +90°C Minimum: -15°C
<b>Cable construction</b>	UL Style Number 1015 Conductor Class 5 flexible copper conductor Insulation PVC (Polyvinyl Chloride) Type T13
<b>Minimum bending radius</b>	6 x overall diameter

**CABLE DESIGN PARAMETERS**










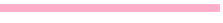



Nominal Cross-Section (mm <sup>2</sup> )	Approximate AWG	Nominal thickness of insulation (mm)	Nominal overall diameter (mm)	Nominal Weight (kg/km)	Max. Resistance of Conductor at 20°C Plain Wires (Ω/km)
0,5	21	0,8	2,7	11	39
0,75	19	0,8	2,85	15	26
1	18	0,8	3	18	19,5
1,5	16	0,8	3,3	23	13,3
2,5	14	0,8	3,75	35	7,98
4	12	0,8	4,35	48	4,95
6	10	0,8	4,85	69	3,3
10	8	1	6,3	117	1,91
16	6	1	8,1	191	1,21
25	4	1,2	9,4	281	0,78
35	2	1,2	10,9	389	0,554
50	1	1,4	13,1	560	0,386
70	2/0	1,4	15,1	774	0,272
95	3/0	1,6	16,1	991	0,206
120	4/0	1,6	17,9	1231	0,161
150	250 MCM	1,8	20,2	1534	0,129
185	350 MCM	2	22,85	1878	0,106
240	450 MCM	2,2	24,4	2381	0,0801

<b>ELECTRICAL CHARACTERISTICS</b>		
<b>Nominal Cross-Section (mm<sup>2</sup>)</b>	<b>Current Rating (PEAK) (A)</b>	<b>Voltage Drop (mV/A/m)</b>
0.5	11	46
0.75	14	31
1	17	22
1.5	21	15
2.5	30	9.1
4	41	5.7
6	53	3.8
10	75	2.2
16	100	1.4
25	136	0.89
35	167	0.64
50	204	0.45
70	259	0.32
95	321	0.24
120	374	0.19
150	429	0.16
185	496	0.13
240	595	0.1

<b>DERATING FACTORS</b>							
<b>Ambient air T (°C)</b>	45	50	55	60	65	70	75
<b>Derating factor</b>	1	0,97	0,90	0,82	0,73	0,63	0,52
Where cables are to be grouped, the following factors should be applied							
<b>No. of cables in group</b>	2	3	4	5	6	7	8
<b>Derating factor</b>	0,80	0,70	0,65	0,60	0,56	0,53	0,50

<b>PRODUCT CODES</b>			
<b>Per meter</b>			
			
<b>ORDERING CODE</b>	<b>COLOR</b>	<b>SECTION (mm<sup>2</sup>)</b>	<b>Factory Packaging (standard drum length in m)</b>
K-UL1015-0.5	Black	0,5	On request
K-UL1015-0.75	Black	0,75	On request
K-UL1015-1	Black	1	On request
K-UL1015-1.5	Black	1,5	On request
K-UL1015-2.5	Black	2,5	On request
K-UL1015-4	Black	4	On request
K-UL1015-6	Black	6	On request
K-UL1015-10	Black	10	On request
K-UL1015-16	Black	16	On request
K-UL1015-25	Black	25	On request
K-UL1015-35	Black	35	On request
K-UL1015-50	Black	50	On request
K-UL1015-70	Black	70	On request
K-UL1015-95	Black	95	On request
K-UL1015-120	Black	120	On request
K-UL1015-150	Black	150	On request
K-UL1015-185	Black	185	On request
K-UL1015-240	Black	240	On request
K-UL1015-0.5-*	*	0,5	On request
K-UL1015-0.75-*	*	0,75	On request
...	*	...	...

\* also available in other colors, please add following color codes to the ordering code

- BLU = Blue 
- BRN = Brown 
- DBL = Dark Blue 
- GRN = Green 
- GYE = Green/Yellow 
- GRY = Grey 
- LBL = Light Blue 
- ORN = Orange 
- PNK = Pink 
- RED = Red 
- VIL = Violet 
- WHT = White 
- YEL = Yellow 

**ORDERING CODE FOR BULK**

Example:

**K-UL1015-70-RED-50M-0**

Cable: \_\_\_\_\_

UL1015

Section: \_\_\_\_\_

0,5 mm<sup>2</sup>

0,75 mm<sup>2</sup>

1 mm<sup>2</sup>

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120 mm<sup>2</sup>

150 mm<sup>2</sup>

185 mm<sup>2</sup>

240 mm<sup>2</sup>

Color: \_\_\_\_\_

No color code = Black 

BLU = Blue 

BRN = Brown 

DBL = Dark Blue 

GRN = Green 

GYE = Green/Yellow 

GRY = Grey 

LBL = Light Blue 

ORN = Orange 

PNK = Pink 

RED = Red 

VIL = Violet 

WHT = White 

YEL = Yellow 

Length: \_\_\_\_\_

025M - 25 meter

050M - 50 meter

100M - 100 meter

Packaging: \_\_\_\_\_





0 - Ring with cable ties (*standard packaging*)

F - Plastic shrink foil

T - Plywood drum

P - Plastic drum

W - Wooden drum

<b>BULK PACKAGING</b>		
<b>Code</b>	<b>Description</b>	<b>Picture</b>
0	Ring with cable ties = <i>standard packaging</i>	
F	Plastic shrink foil	
T	Plywood drum	
P	Plastic drum	
W	Wooden drum	