

UL 1007



Technical data

- PVC single core to UL-Style 1007
- **Temperature range**
flexible -5 °C to + 80 °C
fixed installation -30 °C to + 80 °C
- **Nominal voltage** 300 V
- **Test voltage** 2000 V
- **Test voltage** (Spark test)
AWG 26-20 = 4 kV
AWG 16-18 = 5 kV
- **Bending radius**
once approx. 5 x cable diameter
multiple approx. 10 x cable diameter

Properties

- Conditionally resistant to
Oils
Solvents
Acids
Lyes
- PVC self-extinguishing and flame retardant, test method to UL VW-1

Cable structure

- Stranded copper conductor, tinned to UL-Std.785 section G
- PVC core insulation according to UL-Std.1581 class 43 Tab. 50.182, heat and damp resistant

Application

UL 1007 PVC hook-up wires are generally used as the connecting wire for the internal wiring of the electronic and electrical equipment, such as home appliances, motor, lightings. It can be used with the protective tubes when necessary.

AWM = Appliance Wiring Material

UL = Underwriters Laboratories Inc. (USA)

UL File NO. E334907

AWG-no.	Cross-sec. mm ²	Outer Diameter mm	Copper Weight kg/km	Cable Weight kg/km
26	0.13	1.3	1.6	3.2
24	0.21	1.4	2.3	4.3
22	0.33	1.6	3.4	6.0
20	0.52	1.9	5.3	8.5
18	0.82	2.2	8.2	12.5
16	1.32	2.5	13.0	18.5

UL 1015



Technical data

- PVC single core to UL-Style 1015
- **Temperature range**
-5 °C to + 105 °C
-30 °C to + 105 °C
- **Temperature at conductor** +105 °C
- **Nominal voltage** 600 V
- **Test voltage (Spark test)**
AWG 24: 4 kV
AWG 22 and 20: 5 kV
AWG 18 to 10: 6 kV
AWG 8: 7.5 kV
UL-type AWM + MTW 105 °C 600 V
- **Bending radius**
once approx. 5 x cable diameter
multiple approx. 10 x cable diameter

Properties

- Conditionally resistant to
Oils
Solvents
Acids
Lyes
- PVC self-extinguishing and flame retardant, test method to UL VW-1

Cable structure

- Stranded copper conductor, tinned or plain
AWG-sizes as per table below
- PVC core insulation according to
UL-Standard 1581, class 43 and CSA-C22.2
No. 210 UL VW-1 and CSA FT1, heat and damp resistant

Application

UL 1015 PVC hook-up wires are generally used as the connecting wire for the internal wiring of the electronic and electrical equipment, such as home appliances, motor, lightings. It can be used with the protective tubes when necessary; it can also be used as the machine tool wire.

AWM = Appliance Wiring Material (UL File NO. E334907)

UL = Underwriters Laboratories Inc. (USA)

MTW = Machine Tool Wire (UL File NO. E338096)

AWG-no.	Cross-sec. mm ²	Outer Diameter mm	Copper Weight kg/km	Cable Weight kg/km
24	0.21	2.2	2.3	8.0
22	0.33	2.4	3.2	10.0
20	0.52	2.5	5.0	12.0
18	0.81	2.8	7.9	16.0
16	1.31	3.1	12.6	22.0
14	2.08	3.5	20.7	31.0
12	3.32	4.0	33.0	45.0
10	5.26	4.6	51.6	65.0
8	8.35	6.5	80.6	110.0
6	13.29	8.0	125.0	175.0
4	21.14	9.5	201.0	260.0
3	26.65	10.4	253.0	340.0

UL 1028



Technical data

- PVC single core to UL-Style 1028
- **Temperature range** 105 °C
- **Nominal voltage** 600 V
- **Bending radius**
once approx. 5 x cable diameter
multiple approx. 10 x cable diameter

Properties

- Conditionally resistant to
Oils
Solvents
Acids
Lyes
- PVC self-extinguishing and flame retardant, test method to UL VW-1

Cable structure

- Solid or Stranded, tinned or bare copper conductor 22-6AWG
- PVC core insulation according to UL subject 758, UL 1581, CSA 22.2

Application

UL 1028 PVC hook-up wires are generally used as the connecting wire for the internal wiring of the electronic and electrical equipment, such as home appliances, motor, lightings. It can be used with the protective tubes when necessary.

AWM = Appliance Wiring Material

UL = Underwriters Laboratories Inc. (USA)

UL File NO. E334907

AWG-no.	Cross-sec. mm ²	Conductor Construction No. x mm	Conductor Diameter mm	Outer Diameter mm
22	0.352	17 x 0.160	0.76	3.20
20	0.538	21 x 0.178	0.94	3.40
18	0.835	16 x 0.254	1.16	3.60
16	1.357	26 x 0.254	1.49	3.90
14	2.140	41 x 0.254	1.87	4.40
12	3.392	65 x 0.254	2.36	4.80
10	5.644	105 x 0.254	3.00	5.50
8	8.924	119 x 0.300	4.25	6.80
6	14.299	266 x 0.254	5.41	8.00

UL 1061



Technical data

- PVC single core to UL-Style 1061
- **Temperature range** 80 °C
- **Nominal voltage** 300 V
- **Bending radius**
once approx. 5 x cable diameter
multiple approx. 10 x cable diameter

Properties

- Conditionally resistant to
Oils
Solvents
Acids
Lyes
- PVC self-extinguishing and flame retardant, test method to UL VW-1

Cable structure

- Stranded copper conductor, tinned to UL-Std. 785 section G
- SR-PVC core insulation according to UL subject 758

Application

UL 1061 PVC hook-up wires are generally used as the connecting wire for the internal wiring of the electronic and electrical equipment, such as home appliances, motor, lightings. It can be used with the protective tubes when necessary.

AWM = Appliance Wiring Material

UL = Underwriters Laboratories Inc. (USA)

UL File NO. E334907

AWG-no.	Conductor Construction No. x mm	Outer Diameter mm	Max. Cond. Resistance at 20 °C Ohm/km
30	7 x 0.100	0.88	381.0
28	7 x 0.127	0.95	239.0
26	7 x 0.160	1.05	150.0
24	11 x 0.160	1.20	94.2
22	17 x 0.160	1.30	59.4
20	21 x 0.178	1.50	36.7
18	34 x 0.178	1.75	23.2
16	26 x 0.254	2.05	14.6

UL 1283



Technical data

- PVC single core to UL-Style 1283
- **Temperature range** 105 °C
- **Nominal voltage** 600 V
- **Bending radius**
once approx. 5 x cable diameter
multiple approx. 10 x cable diameter

Properties

- Conditionally resistant to
Oils
Solvents
Acids
Lyes
- PVC self-extinguishing and flame retardant, test method to UL VW-1

Cable structure

- Solid or Stranded, tinned or bare copper conductor 8-2AWG
- PVC core insulation according to UL subject 758, UL 1581, CSA 22.2

Application

UL 1283 PVC hook-up wires are generally used as the connecting wire for the internal wiring of the electronic and electrical equipment, such as home appliances, motor, lightings. It can be used with the protective tubes when necessary.

AWM = Appliance Wiring Material

UL = Underwriters Laboratories Inc. (USA)

UL File NO. E334907

AWG-no.	Cross-sec. mm ²	Conductor Construction No. x mm	Conductor Diameter mm	Outer Diameter mm
8	8.0	119 x 0.300	4.25	7.6
6	13.3	266 x 0.254	5.41	8.0
4	21.2	420 x 0.254	6.80	10.4
2	33.6	266 x 0.400	8.56	12.0

UL 1569



Technical data

- PVC single core to UL-Style 1569
- **Temperature range** -5 °C to + 105 °C
- **Nominal voltage** 300 V
- **Bending radius**
once approx. 5 x cable diameter
multiple approx. 10 x cable diameter

Properties

- Conditionally resistant to
Oils
Solvents
Acids
Lyes
- PVC self-extinguishing and flame retardant, test method to UL VW-1

Cable structure

- Stranded copper conductor, tinned to UL-Std.785
PVC core insulation according to
- UL-Std.1581 class 43 Tab. 50.182, heat and damp resistant

Application

UL 1569 PVC hook-up wires are generally used as the connecting wire for the internal wiring of the electronic and electrical equipment, such as home appliances, motor, lightings. It can be used with the protective tubes when necessary.

AWM = Appliance Wiring Material

UL = Underwriters Laboratories Inc. (USA)

UL File NO. E334907

AWG-no.	Cross-sec. mm ²	Outer Diameter mm	Copper Weight kg/km	Cable Weight kg/km
26	0.13	1.3	1.6	3.2
24	0.21	1.4	2.3	4.3
22	0.33	1.6	3.4	6.0
20	0.52	1.9	5.3	8.5
18	0.82	2.2	8.2	12.5
16	1.32	2.5	13.0	18.5
14	2.08	3.0	20.0	29.0
12	3.31	3.9	33.0	40.0
10	5.26	4.1	51.6	61.0

Machine Tool Wire



Technical data

- PVC single core according to UL-Std.1063, UL-Style 1015, 1028 and 1283;
- **Temperature range**
flexing +5 °C to + 90 °C
fixed installation -40 °C to + 90 °C
UL (AWM) -40 °C to + 105 °C
UL (MTW) -40 °C to + 90 °C
- **Nominal voltage** 600 Vac, 750 Vdc
- **Test voltage** 2000 V
- **Spark Test**
AWG 20: 5 kV
>AWG 20: 6 kV

Properties

- PVC self-extinguishing and flame retardant according to IEC 60332-1

Cable structure

- Bare copper or Tinned Copper stranded to UL-Subject 758 Section G
- PVC core insulation to UL-Std.1581, class 43, CSA-C 22.2 No.210 Tab. 12 class H

Application

Machine tool wires (MTW) are generally used for the generous purpose wiring for the machine tools and also used as the connecting wire for the internal wiring of the electronic and electrical equipment, such as home appliances, motor, lightings. It can be used with the protective tubes when necessary.

AWM = Appliance Wiring Material (**UL File NO. E334907**)

UL = Underwriters Laboratories Inc. (USA)

MTW = Machine Tool Wire (**UL File NO. E338096**)

2/64" Wall(UL1015)

AWG-no.	Conductor Construction No. x mm	Conductor Diameter mm	Outer Diameter mm
22	7 x 0.076	0.762	2.337
20	10 x 0.076	0.965	2.540
18	16 x 0.076	1.219	2.794
16	19 x 0.297	1.473	3.073
14	19 x 0.373	1.803	3.378
12	19 x 0.470	2.311	3.886
10	19 x 0.594	2.946	4.521

3/64" Wall(UL1028)

AWG-no.	Conductor Construction No. x mm	Conductor Diameter mm	Outer Diameter mm
14	19 x 0.373	1.803	4.166
12	19 x 0.470	2.311	4.674
10	19 x 0.594	2.946	5.039
8	19 x 0.749	3.734	6.096

2/64" Wall(UL1283)

AWG-no.	Conductor Construction No. x mm	Conductor Diameter mm	Outer Diameter mm
6	19 x 0.945	4.699	7.772
4	133 x 0.064	6.731	9.855