

Stranded wires PVC/Nylon 90°C 600 V UL/CSA

Application

As interconnecting wire in the mechanical engineering and machine tool construction, in the control technology, etc., for fixed installation in pipes and conduits, in dry and humid locations, etc..

Construction

Conductors 19-strands, bare copper
 - from 250 MCM 37-strands, bare copper
 Insulation PVC with Nylon sheath

Special Characteristics

Good resistance to oil, gasoline, acids and bases, suitable to be used in humidity, meets a high abrasion resistance.



Technical Properties

Rated voltage U _o /U	600 V
Test voltage	3000 V
Temperature range	
- in dry environment	- 10°C ... + 90°C
- in humid environment	- 10°C ... + 75°C
Minimum bending radius	6 x outer diameter

Standards / Approvals

UL AWM 600 V 105°C
 NEC THHN 600 V 90°C
 NEC THWN 600 V 75°C

All packagings are delivered with UL and CSA Labels.

Cross section AWG	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
14	3.10	21.00	24.00
12	3.50	33.00	36.00
10	4.40	51.00	59.00
8	5.40	83.00	93.00
6	6.50	130.00	146.00
4	8.20	222.00	235.00
3	8.60	257.00	280.00
2	9.70	351.00	357.00
1	11.20	421.00	445.00
1/0	12.30	517.00	570.00
2/0	13.40	683.00	715.00
3/0	14.80	830.00	872.00
4/0	16.30	1047.00	1055.00
250 MCM	18.00	1178.00	1280.00
300 MCM	19.40	1410.00	1530.00
350 MCM	20.80	1645.00	1760.00
400 MCM	22.00	1902.00	2020.00
500 MCM	24.00	2345.00	2480.00
600 MCM	27.00	2920.00	2990.00
750 MCM	29.50	3658.00	3740.00
1000 MCM	33.00	4858.00	4810.00

Packaging	Dimension
Drum	cut to desired length
Drum	cut to desired length
Drum	cut to desired length
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Colour code see next page

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Colour code						
AWG 14	black	blue	brown	grey	red	white
Drum	118110	118112	118116	118118	118122	118124
	green	orange	violet	yellow	rose	
Drum	118126	118128	118130	118132	118134	
AWG 12	black	blue	brown	grey	red	white
Drum	118155	118157	118161	118163	118167	118169
	green	orange	violet	yellow	rose	
Drum	118171	118173	118175	118177	118179	
AWG 10	black	blue	brown	grey	red	white
Drum	118200	118202	118206	118208	118212	118214
	green	orange	violet			
Drum	118216	118218	118220			
AWG 8	black	blue	brown	grey	red	white
Drum	118245	118247	118251	118253	118257	118259
	green	orange	violet			
Drum	118261	118263	118265			
AWG 6	black	blue	brown	grey	red	white
Drum	118290	118292	118296	118298	118302	118304
	green	orange				
Drum	118306	118308				
AWG 4	black	blue	red	white	green	
Drum	118335	118337	118347	118349	118351	
AWG 3	black	blue	red	white	green	
Drum	118361	118363	118373	118375	118377	
AWG 2	black	red	white	green		
Drum	118380	118392	118394	118396		
AWG 1	black	green				
Drum	118425	118427				
AWG 1/0	black	green				
Drum	118450	118452				
AWG 2/0	black	green				
Drum	118475	118477				
AWG 3/0	black	green				
Drum	118500	118502				
AWG 4/0	black	green				
Drum	118525	118527				
250 MCM	black					
Drum	118550					
350 MCM	black					
Drum	118575					
500 MCM	black					
Drum	118600					
600 MCM	black					
Drum	118625					
750 MCM	black					
Drum	118650					
1000MCM	black					
Drum	118675					