

ANYCERT-UL-THHN THWN

Comply UL CSA MTW THHN THWN Nylon insulation Cable



Application

Installed in the pipeline, can also be installed for any voltage 600V machine tool equipment, home appliances and various kinds of control systems. For indoor, outdoor, overhead, pipe, cable tray, and does not exceed 600V circuit direct burial variety of installation methods. For the NEC Level I, Level II and classified second in hazardous environments. In wet conditions, operating temperature is 75 °C, 90 °C in a dry environment, emergency overload temperature of 130 °C, short-circuit temperature of 250 °C. Does not recommend the work in the humid environment will access the DC circuit. The product complies with UL (MTW) certification. Its MTW (machine tool wire) certification so that it can be fully applicable to the machine tool industry (not just equipment). Also comply with UL 83, & UL1581 standard.

Feature

- The nylon cable have superior safety performance on anti-termite, rodent and heat resistance (heat resistant up to 200degrees Celsius)Nylon cable without any harm to the environment, green, environmental protection, best to use in the home decoration device power, lighting
- With light weight, smooth appearance, Its lubrication of nylon, so it hard to abrasions, easy to laying in pipe , to bring the convenience and economy to the installation.Nylon jacket have
- beautiful appearance, heat resistant and deformation less, have excellent thermal stability

With high strength in mechanical and excellent abrasion resistance, cold resistance, surface hardness, flexural strength, impact strength, chemical resistance, oil resistance, resistance to gasoline and lubrication upgrading products on home decoration : nylon sheathed cable is an effective solution to work out the fire accidents than by use common PVC cables commonly used in the U.S. and EuropeThe nylon cable is the national scientific and technological achievements under Ministry of Construction , the products will gradually replace the traditional BV, BVR PVC cable, upgrading products on home decoration

The life of the nylon line is 2 times longer than ordinary PVC insulated wire, up to 40 years according to experience in the use of the United States and domestic test confirmed

Structure

- Comply with ASTM-B3/B8 standard solid or stranded of the
- fine bare copper from 14-2/0AWG
- Insulation: Comply with UL1581 high dielectric strength flame
- retardant PVC (color can be customized according to customer requirements)Comply with UL1581 nylon (THHN / THWN) covered insulating outerThree-core or more than three-core
- wire core plus filler, and added Nylon rip cord next to the outer jacket.To meet UL 1277 for sun protection, gas-proof, PVC jacket (custom colors according to customer requirements)

Performance

- Operating voltage: 600 V
- Rated temperature: 90°C

Item	AWG	No./mm	Insulation thickness		Jacket O.D.	WEIGHT KG/KM	Resistant	
			PVC	NYLON			75°C THWN	90°C THHN
1001THHN THWN014	14	1/1.628	0.38	0.1	2.57	22	15	15

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1001THHN THWN012	12	1/2.054	0.38	0.1	3.05	34	20	20
1001THHN THWN010	10	1/2.59	0.51	0.1	3.78	55	30	30
1001THHN THWN014S	14	19/0.36	0.38	0.1	2.77	25	15	15
1001THHN THWN012S	12	19/0.46	0.38	0.1	3.23	36	20	20
1001THHN THWN010S	10	19/0.58	0.51	0.1	4.07	57	30	30
1001THHN THWN08S	8	19/0.73	0.76	0.13	5.39	94	50	55
1001THHN THWN06	6	19/0.92	0.76	0.13	6.3	141	65	75
1001THHN THWN04	4	19/1.16	1.02	0.15	8.06	228	85	95
1001THHN THWN03	3	19/1.3	1.02	0.15	8.74	281	100	110
1001THHN/THWN02	2	19/1.46	1.02	0.15	9.53	348	115	130
1001THHN THWN01	1	19/1.64	1.27	0.18	11.05	445	130	150
1001THHN THWN0101	1/0	19/1.84	1.27	0.18	12.04	554	150	170
1001THHN THWN0102	2/0	19/2.13	1.27	0.18	13.16	687	175	195
1001THHN THWN0103	3/0	19/2.39	1.27	0.18	14.43	851	200	225
1001THHN THWN0104	4/0	19/2.68	1.27	0.18	15.85	1059	230	260
1001THHN THWN0250	250	37/2.092	1.52	0.2	17.23	1266	255	290
1001THHN THWN0300	300	37/2.29	1.524	0.203	18.54	1503	285	320
1001THHN THWN0350	350	37/2.48	1.52	0.2	19.74	1741	310	350
1001THHN THWN0400	400	37/2.644	1.524	0.203	20.85	1979	335	380
1001THHN THWN0500	500	37/2.952	1.52	0.2	22.91	2455	380	430
1001THHN THWN0600	600	61/2.52	1.778	0.229	26.7	3004	420	475
1001THHN THWN0750	750	61/2.818	1.778	0.229	29.36	3670	475	535
1001THHN THWN01000	1000	61/3.254	1.778	0.229	33.27	4851	545	615

If you have specially request on cores jacket or temperature, please contact with us.

※ Can produce special cables as customer's request