

ASH THHN / THWN WIRES CU/ PVC/ NYLON SINGLE CORE WIRES

Cable Features:

- Type THHN/THWN building wire is intended for general-purpose applications. It is permitted for internal wiring of 600V applications.
- Type THHN /THWN is appropriate for use in dry locations at temperatures not to exceed 90°C or not to exceed 75°C in wet, oil or coolants (THWN). Nylon outer jacket provides resistance to gasoline and oil.
- Common Application: Commercial & Residential buildings wirings, Industrial building wires, Machine tools.

Reference Standard	UL 83, UL 1581
Rated voltage	600 V

CONSTRUCTION DETAILS

Conductor	Material	Stranded, uncoated copper conductors, 19 wires (Unilay combination or Concentric Lay Conductor)
Insulation	Material	Polyvinyl Chloride (PVC) 105°C, Heat and Moisture-resistant, Flame retardant
Jacket	Material	Nylon (Polyamide 6) outer covering to UL 83
Printing		ASH THHN/THWN (size) AWG 600V GASOLINE & OIL RES II VW-1 ASHCABLES KSA



TABLE 1 (DIMENSIONAL DATA)

ASHcables Item Code	Size AWG (mm ²)	No. of wires in Conductor	Insulation Thickness Nominal (mm)	Nylon Jacket Thickness Nominal (mm)	Approx. Overall Diameter	Weight of Finished Cable Approx.	Current carrying capacity* (A)		Standard Packing Length FEET /MT
							THHN	THWN	
T097-01C14AWG-UXXXX	14 (2.08)	19	0.38	0.11	2.85	24	20	25	500/152.4
T097-01C12AWG-UXXXX	12 (3.31)	19	0.38	0.11	3.33	36	25	30	500/152.4
T097-01C10AWG-UXXXX	10 (5.27)	19	0.51	0.11	4.21	58	35	40	500/152.4
T097-01C08AWG-UXXXX	8 (8.35)	19	0.76	0.13	5.52	95	50	55	500/152.4
T097-01C06AWG-UXXXX	6 (13.30)	19	0.76	0.13	6.50	144	75	65	500/152.4

*Based on ambient temperature of 30°C

Dimensions and Weights are subject for manufacturing Tolerance.

ELECTRICAL PROPERTIES

CONDUCTOR (DC) RESISTANCE @ 20°C(Ω/Km)	As per UL1581
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FLAME BEHAVIOUR & MECHANICAL PROPERTIES

Operating Temperature	-30 to 105°C
Bending Radius	6XCABLE DIA.
Flame Test (UL)	VW-1

PACKAGING LENGTH

Standard:	500FT ~ 152.4 Mts or 1000FT ~ 305 Mts In Plastic spools
Others:	In drums for special lengths

No.	Colors
1	Blue
2	Orange
3	Green
4	Brown
5	Grey
6	Red
7	Black
8	White
9	Yellow
10	Pink
11	Violet
12	Green/Yellow(s)

*(s) denotes Stripe color.