

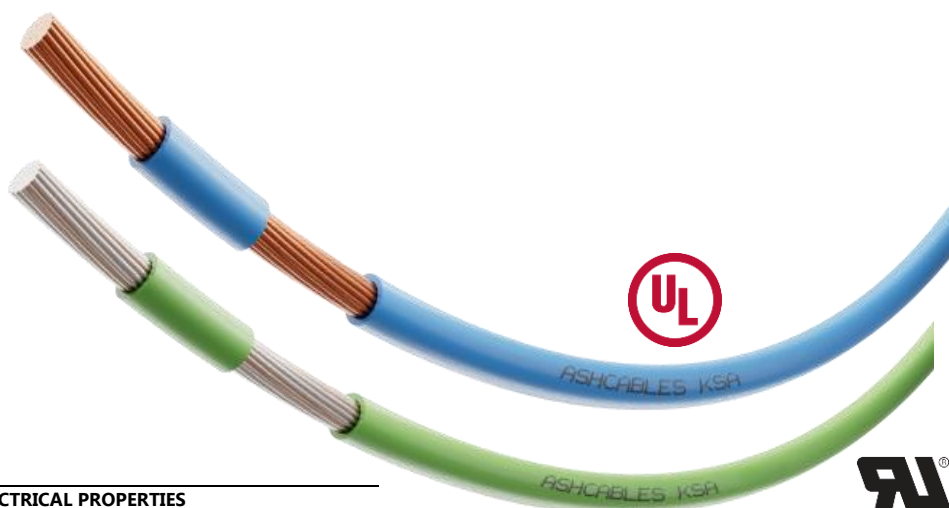
Cable Features:

- AWM is used for internal wiring of appliances for applications not exceeding 600 volts.

Reference Standard	UL 758, AWM STYLE 1028
Rated temperature	105°C
Rated voltage	600Vac

CONSTRUCTION DETAILS

	Size	
Conductor	Material	<ul style="list-style-type: none"> • Plain copper conductors to ASTM B3 • Tinned copper conductor to ASTM B33 • Solid or Flexible Stranded copper conductors Class of ASTM.
Insulation	Material	Color-coded Polyvinyl Chloride (PVC) 105°C, Heat and moisture resistant, flame retardant meets VW-1
	Color Identification	Any colors (As per customer request)
Printing		Table 1, Table 2, Table 3



ELECTRICAL PROPERTIES	
Rated Voltage	600V


FLAME BEHAVIOUR & MECHANICAL PROPERTIES	
Operating Temperature	105°C
Passes UL vertical flame test	VW-1
Bending Radius	6XCABLE DIA.

PACKAGING LENGTH	
Standard:	500Feet to 2500 Feet (Spools or wooden drum)
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

Table 1 (DIMENSIONAL DATA)

Plain copper conductor to ASTM B3, Solid conductor

S/N	ASH ITEM CODE	Conductor Size		Insulation Thickness (mm)	Approx. OD (mm)	Approx. Weight (KG/KM)	Allowable Current Ampacity*
		(AWG)	WIRE DIA. (mm)				Amps
1	T417-01C18AWG-UXXXX	18	1.02	1.14	3.40	24	20
2	T417-01C16AWG-UXXXX	16	1.30	1.14	3.70	30	25
3	T417-01C14AWG-UXXXX	14	1.63	1.14	4.10	35	35
4	T417-01C12AWG-UXXXX	12	2.05	1.14	4.35	50	43
Cable marking		ASH AWM STYLE 1028  E505934 (size) AWG CU/PVC 600V 105C VW-1 ASHCABLES KSA (Year of Manufacture)					

Tinned copper conductor to ASTM B33, Solid conductor




S/N	ASH ITEM CODE	Conductor Size		Insulation Thickness (mm)	Approx. OD (mm)	Approx. Weight (KG/KM)	Allowable Current Ampacity*
		(AWG)	WIRE DIA. (mm)				Amps
1	T427-01C18AWG-UXXXX	18	1.02	1.14	3.40	24	18
2	T427-01C16AWG-UXXXX	16	1.30	1.14	3.70	30	22
3	T427-01C14AWG-UXXXX	14	1.63	1.14	4.10	35	33
4	T427-01C12AWG-UXXXX	12	2.05	1.14	4.35	50	42
Cable marking		ASH AWM STYLE 1028  E505934 (size) AWG TCU/PVC 600V 105C VW-1 ASHCABLES KSA (Year of Manufacture)					

Table 2 (DIMENSIONAL DATA)

Plain copper conductor to ASTM B3, Stranded conductor

S/N	ASH ITEM CODE	Conductor Size		ASTM CLASS	Insulation Thickness	Approx. OD	Approx. Weight	Allowable Current Ampacity*
		(AWG)	No. of wires					Amps
1	T4C7-01C18AWG-UXXXX	18	19	C	1.14	3.45	25	20
2	T4C7-01C16AWG-UXXXX	16	19	C	1.14	3.80	30	26
3	T4C7-01C14AWG-UXXXX	14	19	C	1.14	4.20	38	38
4	T4C7-01C12AWG-UXXXX	12	19	C	1.14	4.70	52	46
5	T4C7-01C10AWG-UXXXX	10	19	C	1.14	5.35	75	62
6	T4C7-01C08AWG-UXXXX	8	19	C	1.14	6.05	106	85
7	T4C7-01C06AWG-UXXXX	6	19	C	1.14	7.70	170	115
Cable marking		ASH AWM STYLE 1028  E505934 (size) AWG CU/PVC 600V 105C VW-1 ASHCABLES KSA (Year of Manufacture)						

Tinned copper conductor to ASTM B33, Stranded conductor

S/N	ASH ITEM CODE	Conductor Size		ASTM CLASS	Insulation Thickness	Approx. OD	Approx. Weight	Allowable Current Ampacity*
		(AWG)	No. of wires					Amps
1	T4G7-01C18AWG-UXXXX	18	19	C	1.14	3.45	25	18
2	T4G7-01C16AWG-UXXXX	16	19	C	1.14	3.80	30	25
3	T4G7-01C14AWG-UXXXX	14	19	C	1.14	4.20	38	35
4	T4G7-01C12AWG-UXXXX	12	19	C	1.14	4.70	52	45
5	T4G7-01C10AWG-UXXXX	10	19	C	1.14	5.35	75	60
6	T4G7-01C08AWG-UXXXX	8	19	C	1.14	6.05	106	83
7	T4G7-01C06AWG-UXXXX	6	19	C	1.14	7.70	170	112
Cable marking		ASH AWM STYLE 1028  E505934 (size) AWG TCU/PVC 600V 105C VW-1 ASHCABLES KSA (Year of Manufacture)						


Note: *Suggesteasd ampacity above is for Single conductor in free Air, based on Ambient Air Temperature of 30°C.

NOTE:
Current Ampacity listed above are subject for appropriate correction(derating) factor in case other laying conditions are applied.
It is recommended to consult a qualified electrician to provide an accurate ampacity data and to refer it to National Electrical Code Handbook Tables.


Table 3 (DIMENSIONAL DATA)

AWM WIRES (UL STYLE 1028) UL LISTED FILE# E505934

Plain copper conductor to ASTM B3, Flexible Stranded conductor

S/N	ASH ITEM CODE	Conductor Size		ASTM CLASS	Insulation Thickness	Approx. OD	Approx. Weight	Allowable Current Ampacity*
		(AWG)	No. of wires					
1	T4K7-01C18AWG-UXXXX	18	16	K	1.14	3.47	26	20
2	T4K7-01C16AWG-UXXXX	16	26	K	1.14	3.88	31	26
3	T4K7-01C14AWG-UXXXX	14	41	K	1.14	4.30	39	38
4	T4K7-01C12AWG-UXXXX	12	65	K	1.14	4.80	54	46
5	T4Y7-01C10AWG-UXXXX	10	65	J	1.14	5.50	76	62
Cable marking		ASH AWM STYLE 1028  E505934 (size) AWG CU/PVC 600V 105C VW-1 ASHCABLES KSA (Year of Manufacture)						

Tinned copper conductor to ASTM B33, Flexible Stranded conductor

S/N	ASH ITEM CODE	Conductor Size		ASTM CLASS	Insulation Thickness	Approx. OD	Approx. Weight	Allowable Current Ampacity*
		(AWG)	No. of wires					
1	T4J7-01C18AWG-UXXXX	18	16	K	1.14	3.45	25	18
2	T4J7-01C16AWG-UXXXX	16	26	K	1.14	3.80	30	25
3	T4J7-01C14AWG-UXXXX	14	41	K	1.14	4.20	38	35
4	T4J7-01C12AWG-UXXXX	12	65	K	1.14	4.70	52	45
5	T4Q7-01C10AWG-UXXXX	10	65	J	1.14	5.35	75	60
Cable marking		ASH AWM STYLE 1028  E505934 (size) AWG TCU/PVC 600V 105C VW-1 ASHCABLES KSA (Year of Manufacture)						

Note: *Suggesteasd ampacity above is for Single conductor in free Air, based on Ambient Air Temperature of 30°C.

NOTE:

Current Ampacity listed above are subject for appropriate correction(derating) factor in case other laying conditions are applied.
It is recommended to consult a qualified electrician to provide an accurate ampacity data and to refer it to National Electrical Code Handbook Tables.