

AWM WIRES (UL STYLE 11563) UL LISTED UNDER FILE# E505934

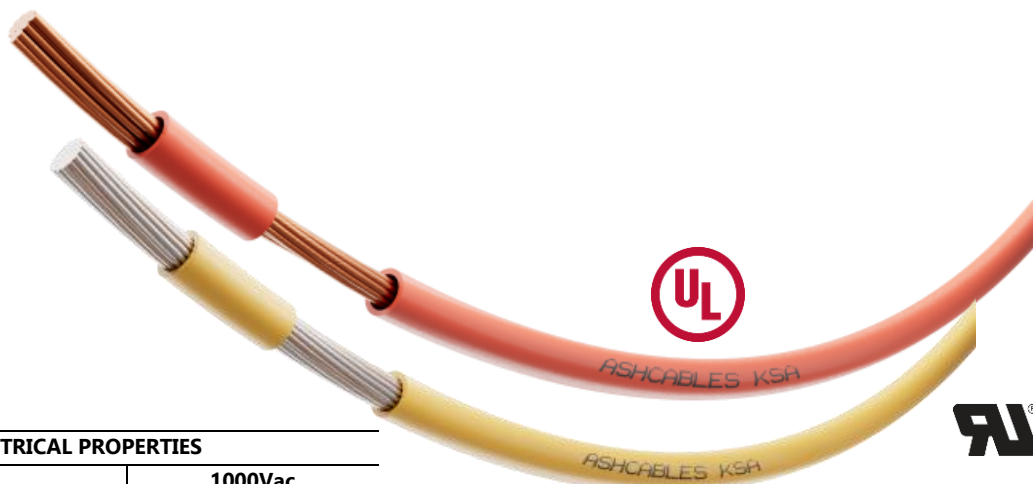
Cable Features:

- AWM is used for internal wiring of appliances.

Reference Standard	UL 758, AWM STYLE 11563
Rated temperature	105°C
Rated voltage	1000 Vac

CONSTRUCTION DETAILS

	Size	18 AWG TO 4/0AWG
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	1000Vac

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
COLORS	Any standard color is available

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


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(UL STYLE 11563)
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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	T517-01C18AWG-UXXXX	18	1.02	0.76	2.65	16	20
2	T517-01C16AWG-UXXXX	16	1.30	0.76	2.90	20	25
3	T517-01C14AWG-UXXXX	14	1.63	0.76	3.30	30	35
4	T517-01C12AWG-UXXXX	12	2.05	0.76	3.60	45	40
Cable marking		ASH AWM STYLE 11563  E505934 (size) AWG CU/PVC 105C 1000V 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	T527-01C18AWG-UXXXX	18	1.02	0.76	2.65	16	18
2	T527-01C16AWG-UXXXX	16	1.30	0.76	2.90	20	22
3	T527-01C14AWG-UXXXX	14	1.63	0.76	3.30	30	33
4	T527-01C12AWG-UXXXX	12	2.05	0.76	3.60	45	40
Cable marking		ASH AWM STYLE 11563  E505934 (size) AWG TCU/PVC 105C 1000V VW-1 ASHCABLES KSA (Year of Manufacture)					


Note: *Suggested 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.


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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		mm	mm	Kg/Km	Amps
1	T5C7-01C18AWG-UXXXX	18	19	C	0.76	2.70	16	20
2	T5C7-01C16AWG-UXXXX	16	19	C	0.76	3.05	25	25
3	T5C7-01C14AWG-UXXXX	14	19	C	0.76	3.50	34	35
4	T5C7-01C12AWG-UXXXX	12	19	C	0.76	4.10	47	45
5	T5C7-01C10AWG-UXXXX	10	19	C	0.76	4.75	65	60
6	T5C7-01C08AWG-UXXXX	8	19	C	1.14	6.30	119	80
7	T5C7-01C06AWG-UXXXX	6	19	C	1.52	8.25	175	105
8	T5C7-01C04AWG-UXXXX	4	19	C	1.52	9.35	255	140
9	T5C7-01C03AWG-UXXXX	3	19	C	1.52	10.20	340	165
10	T5C7-01C02AWG-UXXXX	2	19	C	1.52	11.00	385	190
11	T5B7-01C01AWG-UXXXX	1	19	B	2.03	12.80	500	220
12	T5B7-01C1/AWG-UXXXX	1/0	19	B	2.03	14.10	615	260
13	T5B7-01C2/AWG-UXXXX	2/0	19	B	2.03	15.20	750	300
14	T5B7-01C3/AWG-UXXXX	3/0	19	B	2.03	16.50	900	350
15	T5B7-01C4/AWG-UXXXX	4/0	19	B	2.03	17.80	1070	405
Cable marking		ASH AWM STYLE 11563  E505934 (size) AWG CU/PVC 105C 1000V 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)	Min. No. of wires		mm	mm	Kg/Km	Amps
1	T5G7-01C18AWG-UXXXX	18	19	C	0.76	2.70	16	18
2	T5G7-01C16AWG-UXXXX	16	19	C	0.76	3.05	25	20
3	T5G7-01C14AWG-UXXXX	14	19	C	0.76	3.50	34	30
4	T5G7-01C12AWG-UXXXX	12	19	C	0.76	4.10	47	40
5	T5G7-01C10AWG-UXXXX	10	19	C	0.76	4.75	65	55
6	T5G7-01C08AWG-UXXXX	8	19	C	1.14	6.30	119	75
7	T5G7-01C06AWG-UXXXX	6	19	C	1.52	8.25	175	100
8	T5G7-01C04AWG-UXXXX	4	19	C	1.52	9.35	255	135
9	T5G7-01C03AWG-UXXXX	3	19	C	1.52	10.20	340	160
10	T5G7-01C02AWG-UXXXX	2	19	C	1.52	11.00	385	185
11	T5F7-01C01AWG-UXXXX	1	19	B	2.03	12.80	500	215
12	T5F7-01C1/AWG-UXXXX	1/0	19	B	2.03	14.10	615	255
13	T5F7-01C2/AWG-UXXXX	2/0	19	B	2.03	15.20	750	395
14	T5F7-01C3/AWG-UXXXX	3/0	19	B	2.03	16.50	900	345
15	T5F7-01C4/AWG-UXXXX	4/0	19	B	2.03	17.80	1070	400
Cable marking		ASH AWM STYLE 11563  E505934 (size) AWG TCU/PVC 105C 1000V VW-1 ASHCABLES KSA (Year of Manufacture)						


Note: *Suggested 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.
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Table 3 (DIMENSIONAL DATA)

Plain copper conductor to ASTM B3, Stranded conductor, Class K of ASTM.

S/N	ASH ITEM CODE	Conductor Size		ASTM CLASS	Insulation Thickness	Approx. OD	Approx. Weight	Allowable Current Ampacity*
		(AWG)	No. of wires		mm	mm	Kg/Km	Amps
1	T5K7-01C18AWG-UXXXX	18	16	K	0.76	2.77	16	20
2	T5K7-01C16AWG-UXXXX	16	26	K	0.76	3.08	26	25
3	T5K7-01C14AWG-UXXXX	14	41	K	0.76	3.60	35	35
4	T5K7-01C12AWG-UXXXX	12	65	K	0.76	4.20	48	45
5	T5Y7-01C10AWG-UXXXX	10	65	J	0.76	4.80	66	60
Cable marking		ASH AWM STYLE 11563  E505934 (size) AWG CU/PVC 105C 1000V 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.

Tinned copper conductor to ASTM B3, Stranded conductor, Class K of ASTM.

S/N	ASH ITEM CODE	Conductor Size		ASTM CLASS	Insulation Thickness	Approx. OD	Approx. Weight	Allowable Current Ampacity*
		(AWG)	No. of wires		mm	mm	Kg/Km	Amps
1	T5J7-01C18AWG-UXXXX	18	16	K	0.76	2.77	16	20
2	T5J7-01C16AWG-UXXXX	16	26	K	0.76	3.08	26	25
3	T5J7-01C14AWG-UXXXX	14	41	K	0.76	3.60	35	35
4	T5J7-01C12AWG-UXXXX	12	65	K	0.76	4.20	48	45
5	T5Q7-01C10AWG-UXXXX	10	65	J	0.76	4.80	66	60
Cable marking		ASH AWM STYLE 11563  E505934 (size) AWG TCU/PVC 105C 1000V 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.

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