

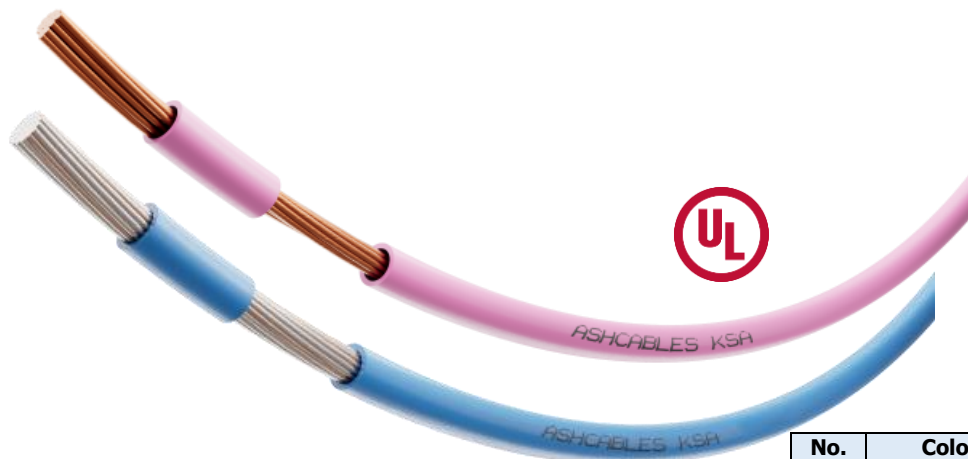
Cable Features:

- MTW is used for machine tool wiring and internal wiring of appliances for applications not exceeding 600 volts

Reference Standard	UL 1063- Machine-Tool Wires and Cables (MTW)
Rated temperature	90°C DRY, 60°C WET
Rated voltage	600V

CONSTRUCTION DETAILS

	Size	
Conductor	Material	<ul style="list-style-type: none"> • Plain copper conductors to ASTM B3 • Tinned copper conductor to ASTM B33 • Stranded copper conductors class C/K of ASTM.
Insulation	Material	Color-coded Polyvinyl Chloride (PVC) 90°C, Flame retardant (VW-1)
	Color Identification	Any colors (As per customer request)
Printing		Table 1, Table 2



ELECTRICAL PROPERTIES	
Rated Voltage	600V

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

FLAME BEHAVIOUR & MECHANICAL PROPERTIES	
Operating Temperature	90°C DRY, 60°C WET
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

Table 1

DIMENSIONAL DATA

Stranded Plain copper conductors (18 AWG to 10 AWG stranding Class "K") and (8 AWG to 2 AWG stranding Class "C" or "K")

Serial No	ASH ITEM CODE	Conductor Size		Insulation Thickness (mm)	Approximate Diameter (mm)	Approximate Weight (KG/KM)	Allowable Current Ampacity*
		(AWG)	No. of Wires				Amps
1	T2K3-01C18AWG-UXXXX	18	16	0.76	2.85	16	10
2	T2K3-01C16AWG-UXXXX	16	26	0.76	3.20	25	12
3	T2K3-01C14AWG-UXXXX	14	41	0.76	3.60	33	18
4	T2K3-01C12AWG-UXXXX	12	65	0.76	4.05	48	25
5	T2K3-01C10AWG-UXXXX	10	104	0.76	4.90	65	35
6	T2H3-01C08AWG-UXXXX	8	133	1.14	6.10	120	55
7	T2C3-01C06AWG-UXXXX	6	19	1.52	7.90	175	70
8	T2C3-01C04AWG-UXXXX	4	19	1.52	9.20	255	90
9	T2C3-01C02AWG-UXXXX	2	19	1.52	11.0	385	105
Cable marking		ASH MTW (size) AWG CU/PVC (UL) E498220 90°C 600V VW-1 ASHCABLES KSA (YEAR OF MANUFACTURE)					

Stranded Tinned copper conductors(18 AWG to 10 AWG stranding Class "K") and (8 AWG to 2 AWG stranding Class "C" or "K")

Serial No	ASH ITEM CODE	Conductor Size		Insulation Thickness (mm)	Approximate Diameter (mm)	Approximate Weight (KG/KM)	Allowable Current Ampacity*
		(AWG)	No. of Wires				Amps
1	T2J3-01C18AWG-UXXXX	18	16	0.76	2.85	16	7
2	T2J3-01C16AWG-UXXXX	16	26	0.76	3.20	25	10
3	T2J3-01C14AWG-UXXXX	14	41	0.76	3.60	33	15
4	T2J3-01C12AWG-UXXXX	12	65	0.76	4.05	48	20
5	T2J3-01C10AWG-UXXXX	10	104	0.76	4.90	65	30
6	T2L3-01C08AWG-UXXXX	8	133	1.14	6.10	120	50
7	T2G3-01C06AWG-UXXXX	6	19	1.52	7.90	175	65
8	T2G3-01C04AWG-UXXXX	4	19	1.52	9.20	255	85
9	T2G3-01C02AWG-UXXXX	2	19	1.52	11.0	385	100
Cable marking		ASH MTW (size) AWG TC/PVC (UL) E498220 90°C 600V 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.