

ASH IRRIGATION WIRES CU/PVC

Cable Features:

- Low Energy Circuit Cable/ Type UF is suitable for use as sprinkler irrigation control wire for general purpose lighting, power, and control conductors for irrigation systems. For use in accordance with NEC Article 340.

Cable Range Size	16 AWG TO 10AWG (OR EQUIVALENT METRIC SIZES)
Reference Standard	IEC 60227-1, IEC 60227-3, Generally UL 493, 1581
Rated temperature	75°C
Rated voltage	600V

CONSTRUCTION DETAILS

Conductor	Material	Plain, Solid, or Stranded copper conductors
Insulation	Material	Color-coded Polyvinyl Chloride (PVC) 75°C
	Color Identification	Any colors (As per customer request)
Printing		IRRIGATION (size) AWG CU/PVC 600V SOLID COPPER SUNLIGHT RESISTANT DIRECT BURIAL ASHCABLES KSA (Year of Manufacture)

ELECTRICAL PROPERTIES

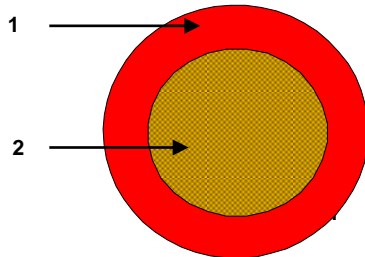
CONDUCTOR (DC) RESISTANCE @ 20°C(Ω/Km)	UL1581
Rated Voltage	600V

FLAME BEHAVIOUR & MECHANICAL PROPERTIES

Operating Temperature	75°C
Bending Radius	6XCABLE DIA.

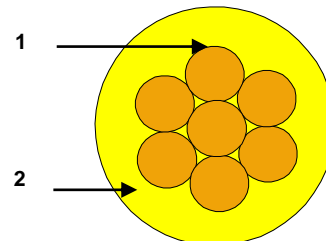
PACKAGING LENGTH

Standard:	2500FT ~ 762 Mts
Others:	In drums for special lengths
COLORS	Any standard color is available



1. PLAIN ANNEALED SOLID COPPER CONDUCTOR (CLASS 1)
2. PVC 75°C INSULATION

NOT TO SCALE:



1. PLAIN ANNEALED STRANDED COPPER CONDUCTOR (CLASS 2)
2. PVC 75°C INSULATION

ASH IRRIGATION WIRES CU/PVC

DIMENSIONAL DATA

SOLID COPPER CONDUCTOR (AWG SIZES)

S.No	ASH CABLES Item Code	Size (AWG)	Dia. of Conductor (mm)	Insulation Thickness (mm)	Approx. Overall Diameter	Weight of Finished Cable Approx.	Maximum Conductor DC Resistance at 20°C Ω/km	Standard Length (feet/m)
1	AR1G-01C16AWG-UXXFX	16	1X1.29	1.52	4.50	36	13.50	2500 / 762
2	AR1G-01C14AWG-UXXFX	14	1X1.63	1.52	4.90	45	8.45	2500 / 762
3	AR1G-01C12AWG-UXXFX	12	1X2.04	1.52	5.20	58	5.31	2500 / 762
4	AR1G-01C10AWG-UXXFX	10	1X2.58	1.52	5.80	78	3.34	2500 / 762

SOLID COPPER CONDUCTOR (METRIC SIZES)

S.No	ASH CABLES Item Code	Size (MM2)	Dia. of Conductor (mm)	Insulation Thickness (mm)	Approx. Overall Diameter	Weight of Finished Cable Approx.	Maximum Conductor DC Resistance at 20°C Ω/km	Standard Length (feet/m)
1	AR1G-01C00150-UXXFX	1.50	1X1.38	1.52	4.60	38	12.1	2500 / 762
2	AR1G-01C00250-UXXFX	2.50	1X1.78	1.52	5.0	51	7.41	2500 / 762
3	AR1G-01C00400-UXXFX	4	1X2.24	1.52	5.60	67	4.61	2500 / 762
4	AR1G-01C00600-UXXFX	6	1X2.74	1.52	6.0	88	3.08	2500 / 762

STRANDED COPPER CONDUCTOR (AWG SIZES)

S.No	ASH CABLES Item Code	Size (AWG)	Dia. of each wire (mm)	Insulation Thickness (mm)	Approx. Overall Diameter	Weight of Finished Cable Approx.	Maximum Conductor DC Resistance at 20°C Ω/km	Standard Length (feet/m)
1	AR3G-01C16AWG-UXXFX	16	7X0.48	1.52	4.80	38	13.70	2500 / 762
2	AR3G-01C14AWG-UXXFX	14	7X0.61	1.52	5.00	48	8.62	2500 / 762
3	AR3G-01C12AWG-UXXFX	12	7X0.78	1.52	5.60	62	5.41	2500 / 762
4	AR3G-01C10AWG-UXXFX	10	7X0.98	1.52	6.00	85	3.41	2500 / 762

STRANDED COPPER CONDUCTOR (METRIC SIZES)

S.No	ASH CABLES Item Code	Size (MM2)	Dia. of Conductor (mm)	Insulation Thickness (mm)	Approx. Overall Diameter	Weight of Finished Cable Approx.	Maximum Conductor DC Resistance at 20°C Ω/km	Standard Length (feet/m)
1	AR3G-01C00150-UXXFX	1.50	7X0.52	1.52	5.00	40	12.1	2500 / 762
2	AR3G-01C00250-UXXFX	2.50	7X0.67	1.52	5.20	51	7.41	2500 / 762
3	AR3G-01C00400-UXXFX	4	7X0.84	1.52	5.90	68	4.61	2500 / 762
4	AR3G-01C00600-UXXFX	6	7X1.04	1.52	6.40	90	3.08	2500 / 762

Dimensions and Weights are subject for manufacturing Tolerance.

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