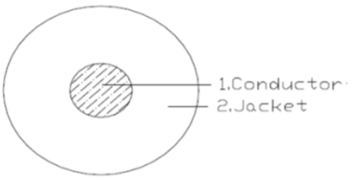
Technical Specification Sheet

UL AWM style 1015, 105 °C, 600V



(RGW-2418-3)

Product Description

Application:
Internal Wiring of Appliances.

Cable Construction

1. Conductor	Tinned copper
AWG	See Table #1
Construction	See Table #1
Stranded diameter (mm)	See Table #1
2. Insulation	PVC
Thickness (mm)	0.84
Diameter (mm)	See Table #1
Color	See Table #2
3. Marking (3 times/meter)	RG Wire & Cable #XXXX E477982 MTW 600V
	AWM STYLE 1015 105C 600V VW-1
	?? AWG --- c 105C 600V FT1 ROHS

General Characteristics

Rated temperature (°C)	-20 to +105
Rated voltage (V)	600
Max conductor resistance at 20°C (Ω/km)	See Table 1
Insulation resistance at 20°C (MΩ.km)	>200

Table #1

AWG	Construction	Stranded Diameter	Jacket Diameter	DCR (Ω)
16	0.25 x 26	1.47	3.10	14.6
14	0.25 x 41	1.85	3.51	9.25
12	0.25 x 65	2.32	4.01	5.84
10	0.25 x 105	2.96	4.72	3.61
10	0.32 x 65	2.96	4.72	3.61

Table #2 (RG 4-digiti part number "XXXX" as shown on cable marking)

Color	RAL	Len	24	22	20	18	16	14	12	10
			(7/32)	(7/30)	(10/30)	(16/30)	(26/30)	(41/30)	(65/30)	(105/30)
Black	9005	100m	-	-	-	-	#2694	#2829	#2834	#2841
Blue	5015	100m	-	-	-	-	#2695	#2831	#2838	-
Red	3000	100m	-	-	-	-	#2697	#2830	#2835	#2842
Yellow	1021	100m	-	-	-	-	-	-	#2836	-
Green	6017	100m	-	-	-	-	-	-	#2837	-
Orange	2008	100m	-	-	-	-	#2826	-	-	-
White	9003	100m	-	-	-	-	#2827	#2832	#2839	-
Green / Yellow	6017/1021	100m	-	-	-	-	#2828	#2833	#2840	#2843
Black	9005	152m	-	-	-	-	-	-	-	-
Blue	5015	152m	-	-	-	-	-	-	-	-
Red	3000	152m	-	-	-	-	-	-	-	-
Yellow	1021	152m	-	-	-	-	-	-	-	-
Green	6017	152m	-	-	-	-	-	-	-	-
Orange	2008	152m	-	-	-	-	-	-	-	-
White	9003	152m	-	-	-	-	-	-	-	-
Green / Yellow	6017/1021	152m	-	-	-	-	-	-	-	-
Black	9005	305m	-	-	-	-	-	-	-	-
Blue	5015	305m	-	-	-	-	-	-	-	-
Red	3000	305m	-	-	-	-	-	-	-	-
Yellow	1021	305m	-	-	-	-	-	-	-	-
Green	6017	305m	-	-	-	-	-	-	-	-
Orange	2008	305m	-	-	-	-	-	-	-	-
White	9003	305m	-	-	-	-	-	-	-	-
Green / Yellow	6017/1021	305m	-	-	-	-	-	-	-	-

Table #3 (RG 4-digit part number "XXXX" for special design)

Color	RAL	Len	10							
			(65/28)							
Black	9005	100m	#6344	-	-	-	-	-	-	-
Blue	5015	100m	-	-	-	-	-	-	-	-
Red	3000	100m	-	-	-	-	-	-	-	-
Yellow	1021	100m	-	-	-	-	-	-	-	-
Green	6017	100m	-	-	-	-	-	-	-	-
Orange	2008	100m	-	-	-	-	-	-	-	-
White	9003	100m	-	-	-	-	-	-	-	-
Green / Yellow	6017/1021	100m	-	-	-	-	-	-	-	-

Packaging

See Table #2 and #3

Environmental Compliance

1. CE: EU Directive 2011/65/EU(RoHS2):
   This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011. No exemptions are required for RoHS compliance on this item.
2. REACH Regulation (EC 1907/2006):
   This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item.

Reference

CV	Notes	D	R	Date
B01	Redo layout	AZ	DE	2017-08-14
B02	Add part number #6344 10 AWG (65/28)	AZ	DE	2017-08-18