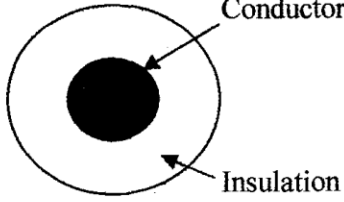


## TECHNICAL SPECIFICATION

MODEL	HOOK-UP WIRE (AWM WIRE)	Cable Drawing: Scale: None		
RATING	80°C 300V			
TYPE	UL 1007			
SIZE	16 ~ 20 AWG			
RECOGNIZED APPROVED DATA	C-UL File No.: E306024			
	CMJ (JQA) (-F- mark) : F-JUM1-001			
APPLICATION	The product is compliance with RoHS requirement. The product is suitable application for internal wiring of Electronic and Electrical equipment.			
Technical Data:	PRODUCT CODE:	U0716TC0B1	U0718TC0B1	U0720TC0B1
SIZE		16 AWG	18 AWG	20 AWG
Conductor Material	TC (TINNED STRANDS COPPER)			
Conductor NO. / Diameter (mm)	26 / 0.254±0.005	34 / 0.180±0.005	21 / 0.180±0.005	
Minimum Average Thickness of Insulation (mm)	0.38 mm			
Minimum Thickness at Any Place of Insulation (mm)	0.33 mm			
Insulation Material	LEAD FREE PVC			
Insulation Color	BLACK OR OTHER COLOR			
Overall Diameter of Cable (mm)	2.40 ± 0.10	2.10 ± 0.10	1.80 ± 0.10	
PRODUCT CODE:	ISSUE DATE: 05/03/2008	REVISION: 2.0		
U07XXTC0B1 : XX = SIZE	REVISE DATE:	PAGE : 1 OF 2		

## TECHNICAL SPECIFICATION

<b>PRODUCT CODE :</b>		<b>U0716TC0B1</b>	<b>U0718TC0B1</b>	<b>U0720TC0B1</b>
<b>ELECTRICAL PROPERTIES :</b>				
Conductor Resistance at 20 <sup>0</sup> C (Maximum) Ohm /km		13.80	22.0	35.0
Insulation Resistance (Minimum) M Ohm /km		5 Mega Ohm / km		
Dielectric Withstand Voltage (AC Voltage)		AC 2 KV/ MINUTE (NO BROKEN)		
Spark Test Voltage (KV)		5	5	4
<b>MECHANICAL PROPERTIES:</b>				
Insulation	UNAGED	Tensile Strength	1500 PSI (1.05 Kg/mm <sup>2</sup> ) (MINIMUM)	
		Elongation at Break	100 % (MINIMUM)	
	AGED	Tensile Strength	UNAGED MINIMUM 70% (113±2°C x 168 HRS)	
		Elongation at Break	UNAGED MINIMUM 65% (113±2°C x 168 HRS)	
Deformation Test		MAXIMUM 50% (121±2°C , 1 HR)		
Heat Shock Test		(121±2°C , 1 HR , 6 turns) NO CRACK		
Cold Bend Test		(-10±2°C , 4 HR , 6 turns) NO CRACK		
FLAME TEST		VW-1 (PASSED)		
<p>Surface Mark of Cable:</p> <p style="text-align: center;">  AWM 1007 80<sup>0</sup>C 300V VW-1 <u>XX</u>AWG E306024 JUMBO -----  AWM IA 80<sup>0</sup>C              300V FT1 <u>XX</u>AWG - F - (LF)         </p> <p>Where : <u>XX</u> = Size of wire , 16, 18, 20 AWG</p>				
PRODUCT CODE:		ISSUE DATE: 05/03/2008		REVISION: 2.0
U07 <u>XX</u> TC0B1 : <u>XX</u> = SIZE		REVISE DATE:		PAGE : 2 OF 2