

BHAGYADEEP CABLES PVT LTD

APPLIANCE WIRING MATERIAL
Subj.758

Section 1

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Style 10269 Single conductor with extruded insulation.

Rating	80, 90, 105 deg C, 1000 Vac or 1250 Vdc, Horizontal flame, Optional - Oil Resistant 60 deg C or 80 deg C.		
Conductor	30 AWG - 2000 kcmil, solid or stranded round.		
Insulation	PVC		
	<u>30-2 AWG conductor size</u>	<u>30 mils min average</u>	<u>27 mils minimum at any point</u>
	8-7 AWG	45 avg	40 min
	6-2 AWG	60 avg	54 min
	1-4/0 AWG	80 avg	72 min
	250-800 kcmil	95 avg	86 min
	550-1000 kcmil	110 avg	99 min
	1100-2000 kcmil	125 avg	112 min
Standard	Appliance Wiring Material UL 758.		
Marking	General.		
Use	Internal Wiring of Appliances; or Internal Wiring of Appliances where exposed to oil at a temperature not exceeding 60 deg. C or 80 deg. C (whichever is applicable). Tags may also indicate the following: 3,500 V peak - for electronic use only.		

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UL 10269 DATA SHEET

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STYLES	AWG	NO. OF STRANDS	STRAND DIA (MM)	NOMINAL INSULATION CORE THICKNES S (MM)	NOMINAL INSULATION JACKET THICKNES S (MM)	TOTAL INSULATION THICKNES S (MM)	OVERALL OD (MM)	BARE / TINNED COPPER (ABC/ATC)	DC VOLTAGE RATING (VOLT)	TEMP. RATING	INSULATION MATERIAL	Max. CONDUCTER RESISTANCE AT 20* C
UL 10269	26	7	0.16	0.39	0.39	0.78	2.06	ABC/ATC	1000 V	105*C	Polyvinyl chloride(PVC)	139
UL 10269	24	11	0.16	0.39	0.39	0.78	2.18	ABC/ATC	1000 V	105*C	Polyvinyl chloride(PVC)	88.7
UL 10269	22	17	0.16	0.39	0.39	0.78	2.33	ABC/ATC	1000 V	105*C	Polyvinyl chloride(PVC)	57.4
UL 10269	20	10	0.254	0.39	0.39	0.78	2.51	ABC/ATC	1000 V	105*C	Polyvinyl chloride(PVC)	37.1

UL 10269	18	17	0.254	0.39	0.39	0.78	2.78	ABC/ATC	1000 V	105*C	Polyvinyl chloride(PV C)	23.7
UL 10269	16	27	0.254	0.39	0.39	0.78	3.10	ABC/ATC	1000 V	105*C	Polyvinyl chloride(PV C)	14.2