

DENAN SPECIFIED PRODUCTS (SP's) & NON-SPECIFIED PRODUCTS (NSP's)

Note: Product name in this list may not be the same as product name commonly used in the field or UL Standard. It is recommended to consult with DENAN staff to determine the applicable product name under the DENAN Scheme.

I. SPECIFIED PRODUCTS (SP's)

PRODUCT CATEGORIES AND PRODUCT NAMES	CERTIFICATE VALID YEAR
<p>CABLES, CORDS [Rubber Insulated Cables and Cords]</p> <p>Cables and Cords as noted below (limited to those having a rated voltage between 100 V and 600 V):</p> <p>1. Non-sheathed cables (limited to those having conductors of nominal cross sectional area of 100 mm² or less.):</p> <p style="padding-left: 40px;">(1) Rubber insulated cables (including those with synthetic rubber insulations)</p> <p>2. Cables (limited to those having conductors of nominal cross sectional areas of 22 mm² or less, having cores composed of seven strands or less, and having sheaths of rubber [including synthetic rubber] or plastic)</p> <p>3. Cords: (1) Single-core rubber cords (2) Twisted rubber cords (3) Textile braided rubber cords (4) Round braided rubber cords (5) Other rubber cords (6) Sheathed flexible cords (rubber)</p> <p>4. Sheathed flexible cables (limited to those having conductors of nominal cross sectional areas of 100 mm² or less and having cores composed of seven strands or less):</p> <p style="padding-left: 40px;">(1) Rubber sheathed flexible cables (2) PVC sheathed flexible cables</p>	<p>7 years</p> <p>7 years</p> <p>7 years 7 years 7 years 7 years 7 years</p> <p>7 years 7 years</p>

CABLES, CORDS [Synthetic Resin Insulated Cables and Cords]	
Cables and Cords as noted below (limited to those having a rated voltage between 100 V and 600 V):	
1. Non-sheathed rigid cables (limited to those having conductors of nominal cross sectional area of 100 mm ² or less.):	
(1) Plastic insulated cables (excluding fluorescent lamp cables and neon tube cables)	7 years
2. Cables (limited to those having conductors of nominal cross sectional areas of 22 mm ² or less, having cores composed of seven strands or less, and having sheaths of rubber [including synthetic rubber] or plastic)	7 years
3. Cords:	
(1) Single-core PVC cords	7 years
(2) Twisted PVC insulated cords	7 years
(3) Textile braided PVC cords	7 years
(4) Rounded braided PVC cords	7 years
(5) Other PVC cords	7 years
(6) Single-core Polyethylene cords	7 years
(7) Other Polyethylene cords	7 years
(8) Sheathed flexible cords (PVC and polyethylene)	7 years
(9) Tinsel cords	7 years
(10) Single-core Polyolefin cords	7 years
(11) Other Polyolefin cords	7 years
4. Sheathed flexible cables (limited to those having conductors of nominal cross sectional areas of 100 mm ² or less and having cores composed of seven strands or less):	
(1) PVC sheathed flexible cables	7 years
(2) Heat-resistant Polyolefin sheathed flexible cables	7 years

<p>FUSES</p> <p>1. Fuses and thermal links (limited to those with a rated voltage between 100 V and 300 V, and used in a.c. circuits):</p> <p>(1) Thermal links</p> <p>2. Other fuses (limited to those with a rated voltage 100 V and 300 V and a rated current between 1 A and 200 A, and used in alternating current (a.c.) circuits [fuses for electrical motors are limited to those used with motors rated 12 kW or less], and sheathed fuses, cartridge fuses and quick-acting fuses for semiconductor protection are excluded):</p> <p>(1) Link fuses (2) Miniature fuses (3) Other enclosed fuses</p>	<p>7 years</p> <p>7 years 7 years 7 years</p>
<p>WIRING DEVICES</p> <p>1. Switches as noted below (limited to those with a rated voltage between 100V and 300 V and a rated current of 30 A or less, and used in a.c. circuits. Explosion proof type, oil-filled type, remote control relay and those specially designed for built into machinery are excluded):</p> <p>(1) Tumbler switches (2) Switches in flexible cord (3) Time switches (4) Other switches: Rotary switches Pushbutton switches Pull switches Pendant switches Street lamp switches Photoelectric automatic switches Other switches</p> <p>2. Switching devices as noted below (limited to those with a rated voltage between 100 V and 300 V and a rated current of 100 A or less [switching devices for electric motors are limited to those for motors rated 12 kW or less] and used in a.c. circuits. Explosion proof type, oil-filled type and those specially designed devices incorporated in appliances are excluded):</p> <p>(1) Box switches (including covered switches)</p>	<p>7 years 7 years 7 years 7 years 7 years 7 years 7 years 7 years 7 years</p> <p>7 years</p>

(4) Rosettes:	Screw-in rosettes	7 years
	Hookup rosettes	7 years
	Other rosettes	7 years
(5) Joint boxes		7 years

<p>CURRENT LIMITERS</p> <p>Current limiters as noted below (limited to those having a rated voltage between 100 V and 300 V, and having a rated current of 100 A or less, and in any case to be used in a.c. circuits):</p> <p>(1) Meter rate current limiters (2) Flat rate current limiters</p>	<p>7 years 7 years</p>
<p>TRANSFORMERS AND BALLASTS</p> <p>1. Single-phase small power transformers as noted below (limited to those with a rated primary voltage between 100 V and 300 V, and with a rated frequency ratings [in the case of those with double frequency ratings, either one of these frequencies] of 50 Hz or 60 Hz, used in a.c circuits. Bell transformers, transformers for combustion appliances and those specially designed for machinery are excluded):</p> <p>(1) Household appliance transformers (limited to 500 VA or less):</p> <p style="padding-left: 40px;">Transformers for toys Other household appliance transformers</p> <p>(2) Electronic appliance transformers (limited to 10 VA – 500 VA)</p> <p>2. Ballasts as noted below (limited to those with a rated primary voltage [a rated voltage in the case of discharge lamp ballasts other than linear transformer type] between 100 V and 300 V, and with a rated frequency ratings [in the case of those with double frequency ratings, either one of these frequencies] of 50 Hz or 60 Hz, used in a.c. circuit, and rated wattage of applicable lamps of 500 W or less. Those specially designed for built into machinery other than luminaires are excluded):</p> <p>(1) Ballasts for fluorescent lamps (2) Ballasts for mercury vapor lamps and ballasts for other high pressure discharge lamps (3) Ballasts for ozonizer</p>	<p>7 years 7 years 7 years 7 years 7 years 7 years</p>

<p>ELECTRIC HEATING APPLIANCES</p> <p>Heating appliances as noted below (limited to those with a rated voltage between 100 V and 300 V and a rated power consumption of 10 kW or less and used in a.c. circuits):</p> <ul style="list-style-type: none"> (1) Electric heated toilet seats (2) Electric hot cupboards (3) Electric pipe freeze prevention heaters (4) Glass dew-prevention heaters (5) Electric heaters for freeze and condensation prevention (6) Electric storage water heaters (7) Electric inhalators (8) Household heating therapeutic appliances (9) Electric steam baths (10) Electric heaters for steam baths (11) Electric sauna baths (12) Electric heaters for sauna baths (13) Aquarium heaters (14) Electric heater for plants (15) Electric heated toys 	<ul style="list-style-type: none"> 5 years 5 years 7 years 7 years 7 years 5 years 5 years 5 years 5 years 5 years 5 years 5 years 5 years 5 years
<p>ELECTRIC MOTOR-OPERATED OR MAGNETICALLY DRIVEN APPLIANCES</p> <p>Electric motor-operated appliances as noted below (limited to those with a rated voltage between 100 V and 300 V and rated frequency of 50 Hz or 60 Hz, for use with a.c. circuits):</p> <ul style="list-style-type: none"> (1) Electric pumps (limited to those with a rated power consumption of 1.5 kW or less, and excluding electric fountain apparatuses, vacuum pumps, oil pumps, sand pumps or other pumps specially designed to be incorporated in appliances): <ul style="list-style-type: none"> Electric pumps (excluding well pumps) Electric well pumps (2) Refrigerating showcases (limited to those equipped with cooling devices with a rated power consumption of 300 W or less) (3) Electric freezing showcases (limited to those equipped with cooling devices with a rated power consumption of 300 W or less) (4) Electric icecream freezers (limited to those using electric 	<ul style="list-style-type: none"> 5 years 5 years 5 years 5 years 5 years

<p>motors with a rated power consumption of 500 W or less)</p> <p>(5) Electric food waste disposers (limited to those with a rated power consumption of 1 kW or less)</p> <p>(6) Electric massagers</p> <p>(7) Automatic washing and drying toilets</p> <p>(8) Vending machines (limited to those incorporating heating units, cooling units, discharge lamps, or liquid containers, but excluding those used for dispensing tickets)</p> <p>(9) Electric bubble-generating machines (limited to those with a rated power consumption of 100 W or less except those used at bathtubs):</p> <p style="padding-left: 40px;">Electric bubble generators for bathtubs</p> <p style="padding-left: 40px;">Electric bubble generators for aquariums</p> <p style="padding-left: 40px;">Other electric bubble generators</p> <p>(10) Electric motor-operated toys</p> <p>(11) Other electric motor-operated toys:</p> <p style="padding-left: 40px;">Electric vehicles</p> <p style="padding-left: 40px;">Other electric motor-operated or electro magnetically driven amusement appliances</p>	<p>5 years</p> <p>5 years</p> <p>5 years</p> <p>5 years</p> <p>3 years</p> <p>3 years</p> <p>3 years</p> <p>5 years</p> <p>5 years</p> <p>5 years</p>
<p>ELECTRONIC APPLIANCES</p> <p>High-frequency depilators (limited to those with a rated high-frequency output of 50 W or less and having a rated voltage between 100 V and 300 V and a rated frequency of 50 Hz or 60 Hz, and for use in a.c. circuits)</p>	<p>3 years</p>
<p>OTHER AC ELECTRIC APPARATUSES</p> <p>Electric appliances using A.C. power supply (limited to those having a rated voltage between 100 V and 300 V and a rated frequency of 50 Hz or 60 Hz):</p> <p>(1) Magnetic therapeutic appliances</p> <p>(2) Electric insect killers</p> <p>(3) Electric therapeutic bath controllers</p> <p>(4) DC power supply units (including those for concurrent use with A.C. power supplies and limited to those with rated capacity of 1kVA or less, but excluding those use for wireless transmitters test or those specially designed)</p>	<p>3 years</p> <p>5 years</p> <p>5 years</p> <p>5 years</p>
<p>PORATABLE ENGINE GENERATORS</p> <p>Portable engine generators (limited with a rated voltage between 30 V and 300 V)</p>	<p>5 years</p>