



CALL YOUR WOODHEAD REPRESENTATIVE TODAY!

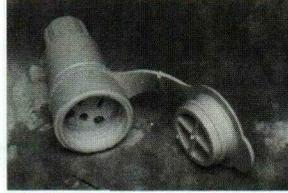
SEE PAGES 2-7



WATERTITE® RUBBER DEVICES



WATERTITE® PLUG



WATERTITE® CONNECTOR



WATERTITE® FLIP LID WITH FEMALE RECEPTACLE

Face View	NEMA Configuration	Amps/ Volts	Plug ¹	Connector ¹	Single Coverplate With Female Receptacle
4-POLE/4-WIRE					
	Non-NEMA Locking	20A/120V/208V	26W09	27W09	67W09
	Non-NEMA Locking	30A/120V/208V	28W09	29W09	69W09
4-POLE/5-WIRE					
	L21-20	20A/3øY/120V/208V	26W81	27W81	67W81
	Non-NEMA Locking	20A/250V/10A/600V	26W10	27W10	67W10
	L22-20	20A/3øY/277V/480V	26W82	27W82	67W82
	L23-20	20A/3øY/347V/600V	26W83	27W83	67W83
	L21-30	30A/3øY/120V/208V	28W81	29W81	69W81
	L22-30	30A/3øY/277V/480V	28W82	29W82	69W82
	L23-30	30A/3øY/347V/600V	28W83	29W83	69W83

¹For cable range and proper cord specifications, see pages 168-170.

For dimensional information, see pages 117-118.

For extra-hard outdoor use, order Watertite® devices in UV resistant black, add "BLK" to the end of the Woodhead number.

Your Source For the Industry's Most Comprehensive Line of Top-Performing Wiring Devices



Want the facts about wiring devices? Talk to experts who work in some of the toughest manufacturing environments imaginable. Ask MRO managers, responsible for keeping sensitive electronic equipment up and running despite wet and corrosive conditions. Consult with construction engineers and architects about wiring devices that stand up to abuse on the job; indoors and out. Check into hospitals and laboratories where an added margin of safety is absolutely critical.

When you want the facts about wiring devices, ask the professionals who use them. Time and time again, they'll tell you the one company to count on for durable, dependable performance: Daniel Woodhead.

Watertite® Rubber Wiring Devices *Industry's Standard for Reliable Protection in Wet and Abusive Environments.* When conditions demand reliable, moisture-resistant performance, U.L. Listed and tested Watertite® plugs and connectors offer the ultimate solution. Our patented multiple seal and rugged NEδTEX® Paracril OZO rubber construction can withstand up to 1000 psi of hosedown and provides a tight seal against oil, water, moisture, steam, dirt, dust, and other contaminants.

When properly mated, Watertite® devices form an enclosure that meets the requirements of NEMA Type 1, 3, 4, 4X, 5, 6, 6P, 12, as well as IP55, IP56, IP57, IP65, IP66, and IP67. **The fact is, no other company offers a rubber wiring device that meets U.L. listed and tested ratings for wet locations in all of these areas.**

In wet and abusive environments, depend on Watertite® devices to deliver power longer, more reliably, and with an added margin of safety.

Super-Safeway® Rubber Wiring Devices *Built to Endure Rigorous, Abrasive Industrial Conditions.* With their tough NEδTEX Paracril OZO rubber housing, Super-Safeway plugs and connectors perform longer and more reliably under the most rugged conditions – including industrial oils – than devices formed of ETPR thermoplastic. They are the ideal solution for applications where continuous impact, abrasion and other conditions are an everyday occurrence.

For durable, dependable service in settings where the ultimate protection of a Watertite® device is not required, Super-Safeway wiring devices are the answer.

Safeway® Nylon Wiring Devices *Dependable, Cost-Effective Performance in Industrial and OEM Settings.* Constructed in the Woodhead tradition to withstand the punishment of everyday use and provide long, continuous service, Safeway nylon plugs and connectors are an exceptionally cost-effective solution for industrial applications.

Safeway duplex receptacles in specification- and hospital-grade versions are designed for easy wiring and long operating life.

Just Ask

In addition to the standard Watertite®, Super-Safeway and Safeway wiring devices featured in this catalog, many variations are possible for applications where specific conditions, including chemical interaction, temperature extremes and U.V. resistance, are a concern.

For assistance with your application needs, contact your local Daniel Woodhead representative.





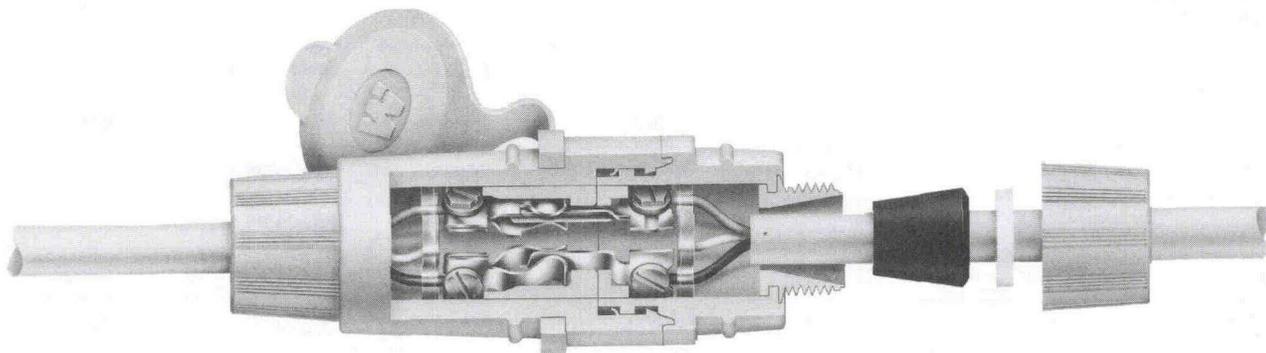
WATERTITE® WIRING DEVICES

INDUSTRY'S STANDARD FOR RELIABLE PROTECTION IN WET AND ABUSIVE ENVIRONMENTS

More than four decades ago, Daniel Woodhead Company pioneered the water-resistant product category. Today our Watertite® line continues to be the standard by which others are measured. Some manufacturers make comparisons between their products and the extensive Watertite® line. But the fact is, devices rated simply for “casual submersion” fall short of the true water-resistance of a Watertite® wiring device.

When properly mated with corresponding connectors, Watertite® devices form an enclosure that meets the requirements of NEMA Type 4, 4X, 6 and 6P, IP65, 66 and 67, and can resist high-pressure hose-down up to 1,000 psi. Traditionally, Safety Yellow® Watertite® devices have taken on the roughest, wettest, most abrasive conditions. Nowadays, Watertite® devices have a role to play in entertainment and broadcast settings, often specified in black.

- Unique integral multiple ring seal that locks snugly, protecting against moisture and contaminants. Boot-type seals can gap when stepped on. But a Watertite® seal is built to maintain weather-resistant integrity despite the most abusive conditions.
- NEOTEX® rubber construction, engineered to resist heat, weather, oil and chemicals. Available in yellow and UV resistant black.
- Sturdy compression-type cord grip that provides 205 lbs. of pull-out strength.
- Protective closure cap that seal the connector when it's not in use.
- Devices provided with three or four grommets. (see page 108)
- Electrical ratings for these configurations are AC/DC, unless specifically stated “AC” or “DC”.





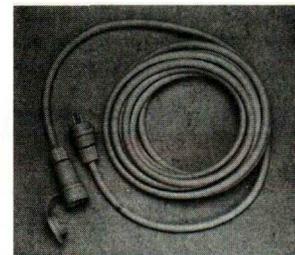
WATERTITE® RUBBER DEVICES



WATERTITE® FLIP LID WITH MALE RECEPTACLE



WATERTITE® FEMALE CONNECTOR FOR FLIP LID WITH MALE RECEPTACLE



WATERTITE® CORDSET

Single Coverplate With Male Receptacle	Female Connector for Flip Lid With Male Receptacle	14-Gauge SOW Cordset ²	12-Gauge SOW Cordset ²	10-Gauge SOW Cordset ²	Cord Grip/ Body Size
66W09	27W09MB	26W09□144	26W09□124		F4
68W09	29W09MB		28W09□124	28W09□104	F4
66W81	27W81MB		26W81□125		F3
66W10	27W10MB		26W10□125		F3
66W82	27W82MB		26W82□125		F3
66W83	27W83MB		26W83□125		F3
68W81	29W81MB		28W81□125	28W81□105	F4
68W82	29W82MB		28W82□125	28W82□105	F4
68W83	29W83MB		28W83□125	28W83□105	F4

²When selecting cordset lengths, replace the box within the Woodhead number with an "A" for 25ft., a "B" for 50ft., and a "D" for 100ft. Example: 14W47□163 becomes 14W47A163.



Stainless steel or non-metallic mesh available. For mesh and other accessories, see pages 218–226.



CALL YOUR WOODHEAD REPRESENTATIVE TODAY!

SEE PAGES 2-7



TECHNICAL REFERENCE

TERMINAL IDENTIFICATION

Most Woodhead plugs, connectors, and receptacles are standard NEMA configurations. As such, standard terminal identification is used to incorporate these devices in the wiring system.

Terminal	Letter Designation	Description	Conductor
Green	G	Grounding terminal	Green, Green w/Yellow Stripe
White	W	Grounded terminal	White or Gray
X, Y, Z	X, Y, Z	Hot terminals	Black, Red, Blue, Etc. ¹

¹There is no standard that matches color to letters. Once a correlation is chosen, it should be used consistently.

ELECTRICAL RATING CHANGE ON NON-NEMA DEVICES

Several years ago, Underwriters Laboratories was approached by a manufacturer with a request to list some non-NEMA configuration wiring devices, Woodhead's 2608, 2609, 2808 and 2809 configurations, in particular. U.L. agreed to list them only if they were marked for a single voltage and current.

Because of the variety of applications, U.L. proceeded to take a survey on the different uses in the field. They determined that the majority are used in non-grounding applications. The following information was established:

2608, 2708, 26T08, 27T08, 26W08 and 27W08 – 20A 125/250V 3-Pole 3-Wire
 2609, 2709, 26T09, 27T09, 26W09 and 27W09 – 20A 120/208V 4-Pole 4-Wire
 2808, 2908, 28T08, 29T08, 28W08 and 29W08 – 30A 125/250V 3-Pole 3-Wire
 2809, 2909, 28T09, 29T09, 28W09 and 29W09 – 30A 120/208V 4-Pole 4-Wire

Since Daniel Woodhead Company decided to mark the non-NEMA plugs and connectors with a single voltage and current rating, we have received many inquiries as to whether these devices are still suitable at their old ratings.

The rating change was a “paperwork” change only. Although they now have a single rating, these devices are certainly functional and can be used within the limitations of the old ratings.

These configurations are for replacement use only in existing facilities. Use of these devices falls under “premise control” where the user determines at what voltage these devices are to be used within the building.

We changed our ratings when it was clear that the majority of other manufacturers were changing theirs, and having a different rating than everyone else would only add to the confusion.

CORD RANGE

Dimensional Reference Information	Cord Range Inch(cm)
WATERTITE® DEVICES	
F2	.062 – .625(0.2 – 1.6)
F3	.187 – .812(0.5 – 2.1)
F4	.437 – 1.10(1.1 – 2.8)
F5	.875 – 1.375(2.2 – 3.5)
SUPER-SAFEWAY®, SAFEWAY® DEVICES	
2	.300 – .675(0.8 – 1.7)
3	.325 – .840(0.8 – 2.1)
4	.425 – 1.150(1.1 – 2.9)

Note: See chart on page 108 for standard grommets.