

Duraline®



E1022 / 22 Series Ball Nose Connectors



Industrial Strength Electrical Products for Industrial Strength Users



Duraline®

Single Pole Ball Nose Field Attachable Connectors

Duraline has been manufacturing **Single Pole Ball Nose Connectors** since 1946. These connectors are designed for quick and safe positive power connections. High conductivity with low resistance is assured through connectors that lock tight and stay tight! When mated, our connectors are impervious to vibration and will not twist loose from cable flexing. Connectors are available in a variety of colors to allow for easy phase identification. These connectors were designed and are built to meet and exceed all U.S. Naval specifications. All connectors and receptacles are rated 690a continuous, 1150a intermittent, and 750 volts AC/DC, have a NEMA 4 rating, and are **listed to UL and CUL/CSA**.

Duraline Single Pole Ball Nose Field Attachable Connectors are quickly and easily connected and disconnected without tools, and were designed for easy field assembly. Our connectors are used in many shipyards, both military and civilian, outdoor events, fairs and carnivals, and many other locations where single pole, high voltage power is desired.



Double Set Screw		
Male	Color	Female
DE1022-106-DS1-FA	Black	DE1022-56-DS1-FA
DE1022-136-DS1-FA	Blue	DE1022-86-DS1-FA
DE1022-131-DS1-FA	Brown	DE1022-81-DS1-FA
DE1022-110-DS1-FA	Green	DE1022-60-DS1-FA
DE1022-109-DS1-FA	Orange	DE1022-59-DS1-FA
DE1022-108-DS1-FA	Red	DE1022-58-DS1-FA
DE1022-111-DS1-FA	White	DE1022-61-DS1-FA
DE1022-107-DS1-FA	Yellow	DE1022-57-DS1-FA

350 Crimp Tube		
Male	Color	Female
DE1022-100-FA	Black	DE1022-50-FA
DE1022-135-FA	Blue	DE1022-85-FA
DE1022-130-FA	Brown	DE1022-80-FA
DE1022-104-FA	Green	DE1022-54-FA
DE1022-103-FA	Orange	DE1022-53-FA
DE1022-102-FA	Red	DE1022-52-FA
DE1022-105-FA	White	DE1022-55-FA
DE1022-101-FA	Yellow	DE1022-51-FA

500 Crimp Tube		
Male	Color	Female
DE1022-106-FA	Black	DE1022-56-FA
DE1022-136-FA	Blue	DE1022-86-FA
DE1022-131-FA	Brown	DE1022-81-FA
DE1022-110-FA	Green	DE1022-60-FA
DE1022-109-FA	Orange	DE1022-59-FA
DE1022-108-FA	Red	DE1022-58-FA
DE1022-111-FA	White	DE1022-61-FA
DE1022-107-FA	Yellow	DE1022-57-FA



Single Pole Ball Nose Connectors and Caps

Duraline Single Pole Ball Nose Connectors and Caps are designed so that, when mated, they protect the contact and sleeve. These connectors and caps serve a wide variety of fields, and are made to endure some of the harshest conditions. The sleeves and caps are made from molded solid rubber to ensure a long lasting component.

Male Cap



Caps		
Male	Color	Female
A244408	Black	A265920
A244412	Blue	A265927
A244416	Brown	A265926
A244411	Green	A265924
A244415	Orange	A265923
A244410	Red	A265922
A244409	White	A265925
A244414	Yellow	A265921

Female Cap



Mated caps not only protect contact, but also protect against electrical shock. Caps fit all 1022 products.





Male Ball Nose Connector		350 MCM Crimp Tube	Female Ball Nose Connector	
Contact: DA200998-1			Contact: DA200027-9	
Sleeve	Complete	Color	Complete	Sleeve
DA200060-1	E1022-100	Black	E1022-50	DA200061-1
DA200060-39	E1022-135	Blue	E1022-85	DA200061-39
DA200060-37	E1022-130	Brown	E1022-80	DA200061-37
DA200060-5	E1022-104	Green	E1022-54	DA200061-5
DA200060-4	E1022-103	Orange	E1022-53	DA200061-4
DA200060-3	E1022-102	Red	E1022-52	DA200061-3
DA200060-6	E1022-105	White	E1022-55	DA200061-6
DA200060-2	E1022-101	Yellow	E1022-51	DA200061-2

Male Ball Nose Connector		500 MCM Crimp Tube	Female Ball Nose Connector	
Contact: DA200998-2			Contact: DA200027-10	
Sleeve	Complete	Color	Complete	Sleeve
DA200060-1	E1022-106	Black	E1022-56	DA200061-1
DA200060-39	E1022-136	Blue	E1022-86	DA200061-39
DA200060-37	E1022-131	Brown	E1022-81	DA200061-37
DA200060-5	E1022-110	Green	E1022-60	DA200061-5
DA200060-4	E1022-109	Orange	E1022-59	DA200061-4
DA200060-3	E1022-108	Red	E1022-58	DA200061-3
DA200060-6	E1022-111	White	E1022-61	DA200061-6
DA200060-2	E1022-107	Yellow	E1022-57	DA200061-2





Male Ball Nose Connector		750 MCM Crimp Tube	Female Ball Nose Connector	
Contact: DA200998-3			Contact: DA200027-11	
Sleeve	Complete	Color	Complete	Sleeve
DA200060-7	E1022-112	Black	E1022-62	DA200061-7
DA200060-40	E1022-137	Blue	E1022-87	DA200061-40
DA200060-38	E1022-132	Brown	E1022-82	DA200061-38
DA200060-11	E1022-116	Green	E1022-66	DA200061-11
DA200060-10	E1022-115	Orange	E1022-65	DA200061-10
DA200060-9	E1022-114	Red	E1022-64	DA200061-9
DA200060-12	E1022-117	White	E1022-67	DA200061-12
DA200060-8	E1022-113	Yellow	E1022-63	DA200061-8

Single Pole Ball Nose Pre-Assembled to Cable

Duraline Single Pole Ball Nose Connectors are also available Factory Assembled directly to cable of various sizes and lengths. Each assembly is completely customizable to fit any need and can be attached in a number of ways; from vulcanization, to heat shrink, and also directly molded to cable. Any of these options can help ensure a long lasting water proof bond to the cable.





Single Pole Ball Nose Panel Mount Receptacles



30° Receptacle		
Male	Color	Female
DE1022-1620	Black	DE1022-1626
DE1022-1623	Blue	DE1022-1638
DE1022-1619	Brown	DE1022-1640
DE1022-1618	Green	DE1022-1634
DE1022-1617	Orange	DE1022-1632
DE1022-1622	Red	DE1022-1630
DE1022-1621	White	DE1022-1636
DE1022-1616	Yellow	DE1022-1628



90° Receptacle		
Male	Color	Female
DE1022-1600	Black	DE1022-1625
DE1022-1612	Blue	DE1022-1637
DE1022-1614	Brown	DE1022-1639
DE1022-1608	Green	DE1022-1633
DE1022-1606	Orange	DE1022-1631
DE1022-1604	Red	DE1022-1629
DE1022-1610	White	DE1022-1635
DE1022-1602	Yellow	DE1022-1627

Single Pole Ball Nose 15° Receptacles



15° Female Receptacle		
With Switch	Color	Without Switch
DE1022-1641	Black	DE1022-1641-15RNS
DE1022-1647	Blue	DE1022-1647-15RNS
DE1022-1646	Brown	DE1022-1646-15RNS
DE1022-1648	Green	DE1022-1648-15RNS
DE1022-1645	Orange	DE1022-1645-15RNS
DE1022-1643	Red	DE1022-1643-15RNS
DE1022-1642	White	DE1022-1642-15RNS
DE1022-1644	Yellow	DE1022-1644-15RNS

Duraline Single Pole Ball Nose Receptacles are available in four configurations, 15° with or without microswitch, 30°, and 90°. All receptacles can be panel or box mounted, and have an integrally molded mounting support ring for rugged applications.

The **Duraline** 15° receptacle with microswitch can either be configured as normally open or closed. Meeting all military and safety specifications, this option allows for an extra degree of safety when in use. The microswitch system can be configured so that no power is engaged unless all applicable connections are made. One of the main functions for this system is to prevent more than one source of power from engaging at a time, such as in the case of emergency generators.

All **Single Pole Ball Nose Receptacles** are rated up to 690 amps and 750 volts and are designed to meet or exceed military and OSHA specifications, and are listed under UL and CUL/CSA.





**With over 70 years experience,
we know exactly what you need.**



Duraline was founded in 1946 as a supplier of safety-engineered electrical distribution systems for the shipbuilding industries. We have since grown to supply diverse industries such as petrochemical, aviation, medical, and entertainment.



Duraline products are proudly made in the U.S.A. All of the manufacturing is done in our Florida facility, established in 2012. To guarantee that our products are safe, we follow the most stringent manufacturing and quality control requirements and manufacture our products to conform with several recognized industry standards.



Duraline is committed to bringing the best product possible to our customers, including developing new products to match any needs our customers might have.

Duraline®

Industrial Strength Electrical Products for Industrial Strength Users

Duraline Div. of J.B. Nottingham & Co., Inc.
1731 Patterson Ave.
DeLand, FL 32724

Phone: 386-873-2990 | Fax: 386-873-2995

www.jbn-duraline.com

