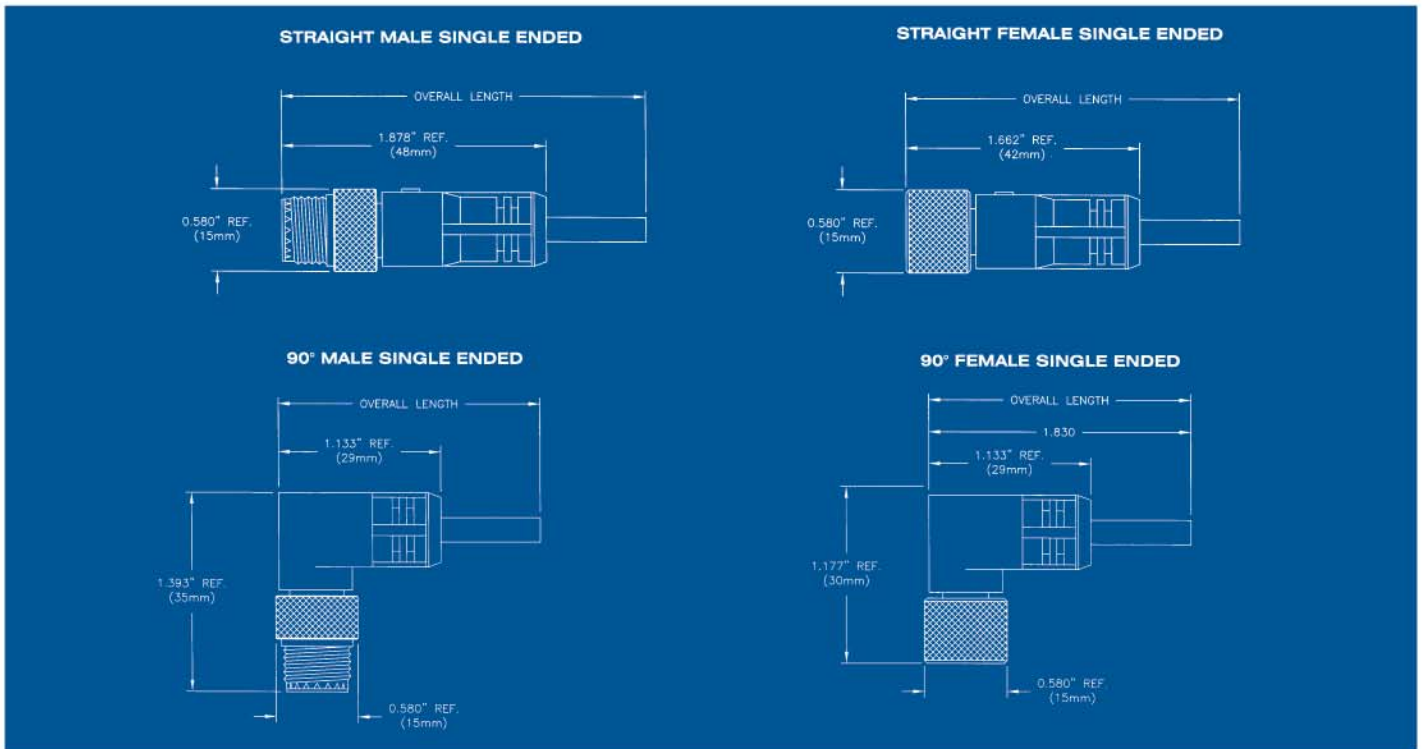


# SENSOR-LINK AC METAL MICRO-MIZER®

## MOLDED CONNECTOR ASSEMBLIES



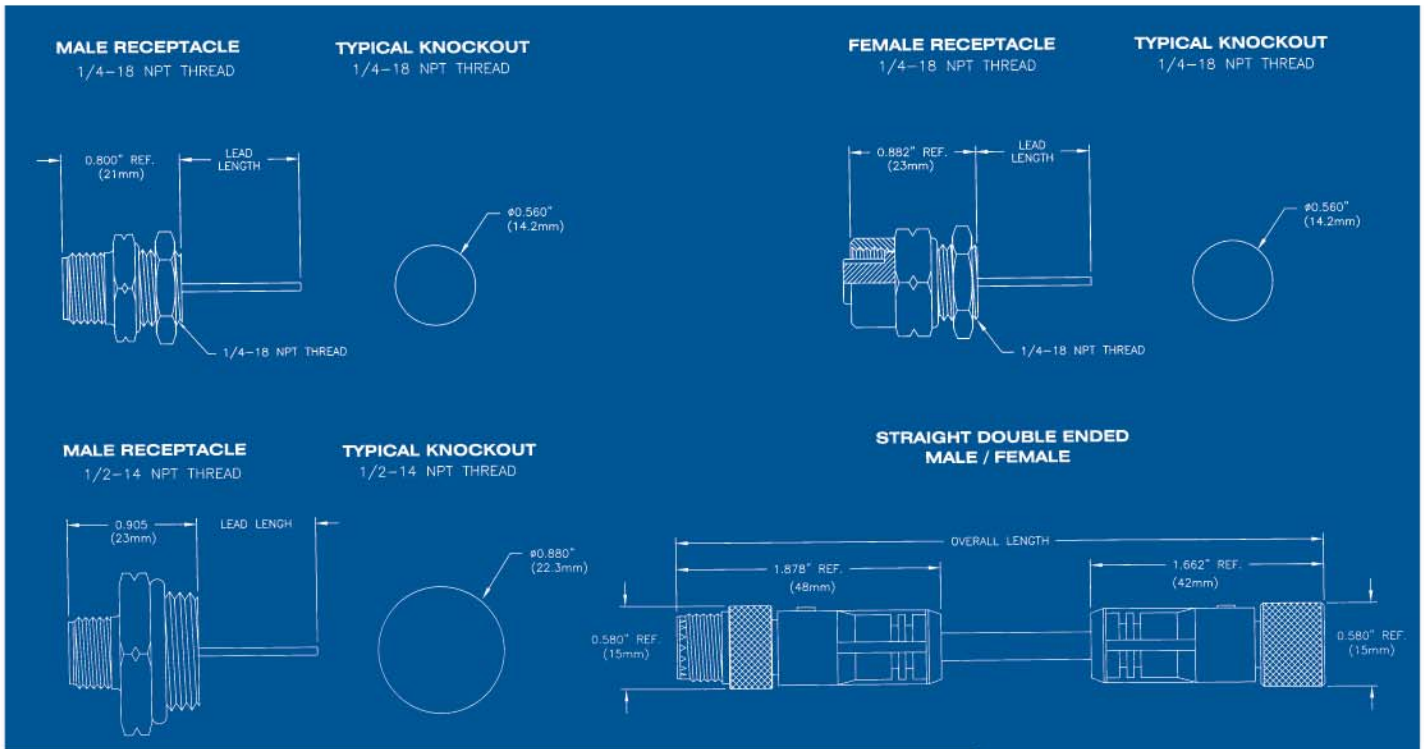
Anti-vibration coupling nuts standard.

Face View Male	Rating	Overall Length Inches	Straight Male Single Ended	Straight Female Single Ended	90° Male Single Ended	90° Female Single Ended
	3A 300V	36	402P36	402S36	462P36	462S36
		72	402P72	402S72	462P72	462S72
		144	402P144	402S144	462P144	462S144
		Custom	402PXXXX	402SXXXX	462PXXXX	462SXXXX
	3A 300V	36	403P36	403S36	463P36	463S36
		72	403P72	403S72	463P72	463S72
		144	403P144	403S144	463P144	463S144
		Custom	403PXXXX	403SXXXX	463PXXXX	463SXXXX
	3A 300V	36	404P36	404S36	464P36	464S36
		72	404P72	404S72	464P72	464S72
		144	404P144	404S144	464P144	464S144
		Custom	404PXXXX	404SXXXX	464PXXXX	464SXXXX
	3A 300V	36	405P36	405S36	465P36	465S36
		72	405P72	405S72	465P72	465S72
		144	405P144	405S144	465P144	465S144
		Custom	405PXXXX	405SXXXX	465PXXXX	465SXXXX
	3A 300V	36	406P36	406S36	466P36	466S36
		72	406P72	406S72	466P72	466S72
		144	406P144	406S144	466P144	466S144
		Custom	406PXXXX	406SXXXX	466PXXXX	466SXXXX

XXXX – Indicates “overall length” in inches.

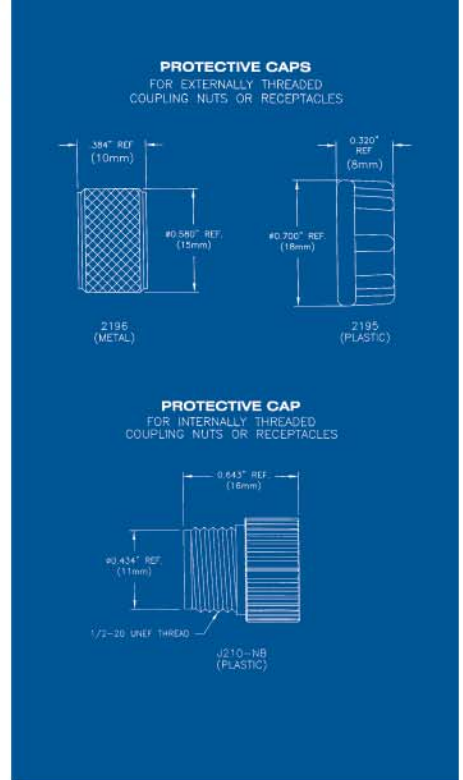
For mechanical, electrical and wiring sequence see pages 28 & 29.

90° assemblies have major key position at 6 o'clock (in line with the cable).



Anti-vibration coupling nuts standard.

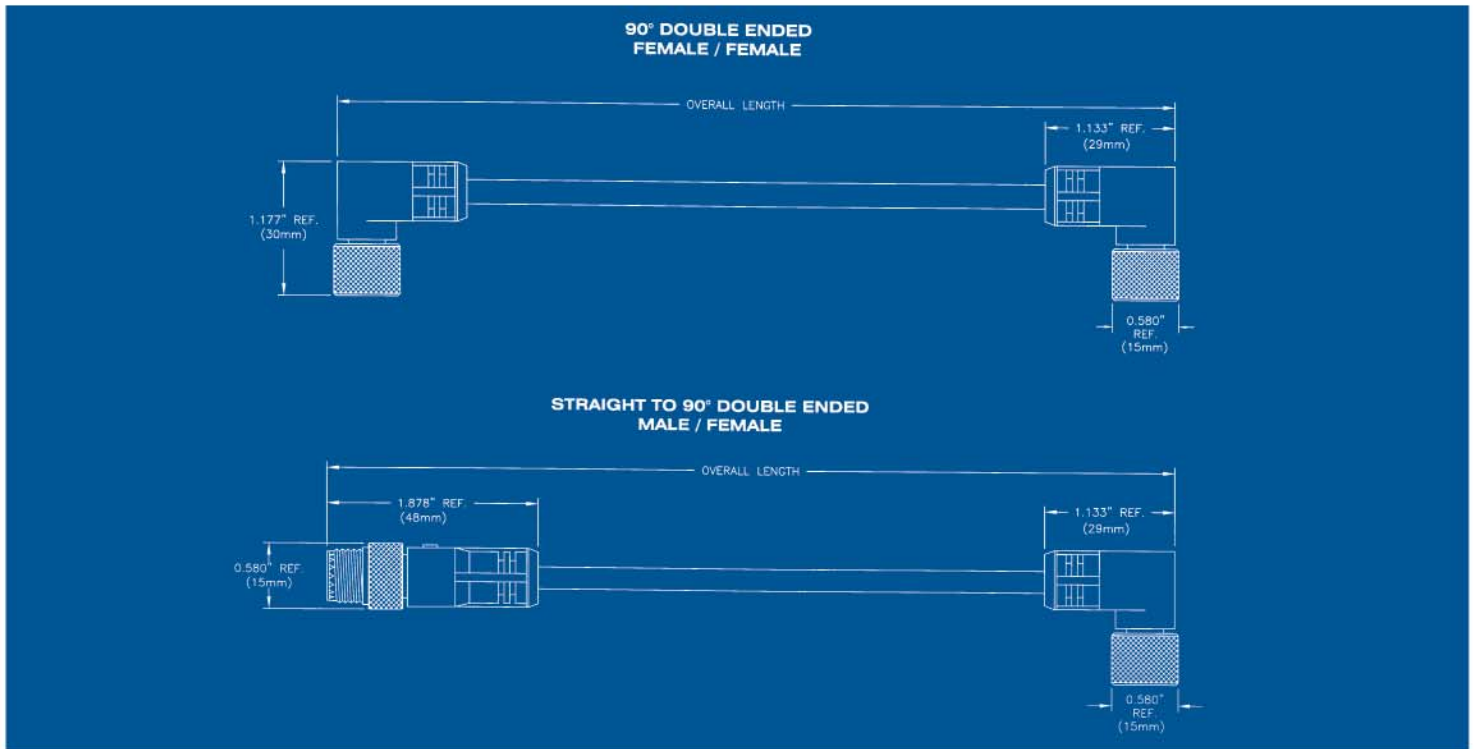
Receptacle Male 1/4 - 18 NPT 12 Inch Leads	Receptacle Female 12 Inch Leads	Receptacle Male 1/2 - 14 NPT 12 Inch Leads	Straight Male /Male Double Ended	Straight Female /Female Double Ended	Straight Male /Female Double Ended
412P12	412S12	412PA12	472P2P36 472P2P72 472P2P144	472S2S36 472S2S72 472S2S144	472P2S36 472P2S72 472P2S144
412PXXX	412SXXX	412PAXXX	472P2PXXXX	472S2SXXXX	472P2SXXXX
413P12	413S12	413PA12	473P3P36 473P3P72 473P3P144	473S3S36 473S3S72 473S3S144	473P3S36 473P3S72 473P3S144
413PXXX	413SXXX	413PAXXX	473P3PXXXX	473S3SXXXX	473P3SXXXX
414P12	414S12	414PA12	474P4P36 474P4P72 474P4P144	474S4S36 474S4S72 474S4S144	474P4S36 474P4S72 474P4S144
414PXXX	414SXXX	414PAXXX	474P4PXXXX	474S4SXXXX	474P4SXXXX
415P12	415S12	415PA12	475P5P36 475P5P72 475P5P144	475S5S36 475S5S72 475S5S144	475P5S36 475P5S72 475P5S144
415PXXX	415SXXX	415PAXXX	475P5PXXXX	475S5SXXXX	475P5SXXXX
416P12	416S12	416PA12	476P6P36 476P6P72 476P6P144	476S6S36 476S6S72 476S6S144	476P6S36 476P6S72 476P6S144
416PXXX	416SXXX	416PAXXX	476P6PXXXX	476S6SXXXX	476P6SXXXX



XXXX - Indicates "overall length / lead length" in inches.  
For mechanical, electrical and wiring sequence see pages 28 & 29.

# SENSOR-LINK AC METAL MICRO-MIZER®

## MOLDED CONNECTOR ASSEMBLIES



Anti-vibration coupling nuts standard.

Face View Male	Rating	Overall Length Inches	90° Male/Male Double Ended	90° Female/Female Double Ended	90° Male/Female Double Ended	Straight to 90° Male/Female Double Ended	Straight to 90° Female/Male Double Ended
	3A 300V	36	452P2P36	452S2S36	452P2S36	482P2S36	482S2P36
		72	452P2P72	452S2S72	452P2S72	482P2S72	482S2P72
		144	452P2P144	452S2S144	452P2S144	482P2S144	482S2P144
		Custom	452P2PXXXX	452S2SXXXX	452P2SXXXX	482P2SXXXX	482S2PXXXX
	3A 300V	36	453P3P36	453S3S36	453P3S36	483P3S36	483S3P36
		72	453P3P72	453S3S72	453P3S72	483P3S72	483S3P72
		144	453P3P144	453S3S144	453P3S144	483P3S144	483S3P144
		Custom	453P3PXXXX	453S3SXXXX	453P3SXXXX	483P3SXXXX	483S3PXXXX
	3A 300V	36	454P4P36	454S4S36	454P4S36	484P4S36	484S4P36
		72	454P4P72	454S4S72	454P4S72	484P4S72	484S4P72
		144	454P4P144	454S4S144	454P4S144	484P4S144	484S4P144
		Custom	454P4PXXXX	454S4SXXXX	454P4SXXXX	484P4SXXXX	484S4PXXXX
	3A 300V	36	455P5P36	455S5S36	455P5S36	485P5S36	485S5P36
		72	455P5P72	455S5S72	455P5S72	485P5S72	485S5P72
		144	455P5P144	455S5S144	455P5S144	485P5S144	485S5P144
		Custom	455P5PXXXX	455S5SXXXX	455P5SXXXX	485P5SXXXX	485S5PXXXX
	3A 300V	36	456P6P36	456S6S36	456P6S36	486P6S36	486S6P36
		72	456P6P72	456S6S72	456P6S72	486P6S72	486S6P72
		144	456P6P144	456S6S144	456P6S144	486P6S144	486S6P144
		Custom	456P6PXXXX	456S6SXXXX	456P6SXXXX	486P6SXXXX	486S6PXXXX

XXXX – Indicates “overall length” in inches.

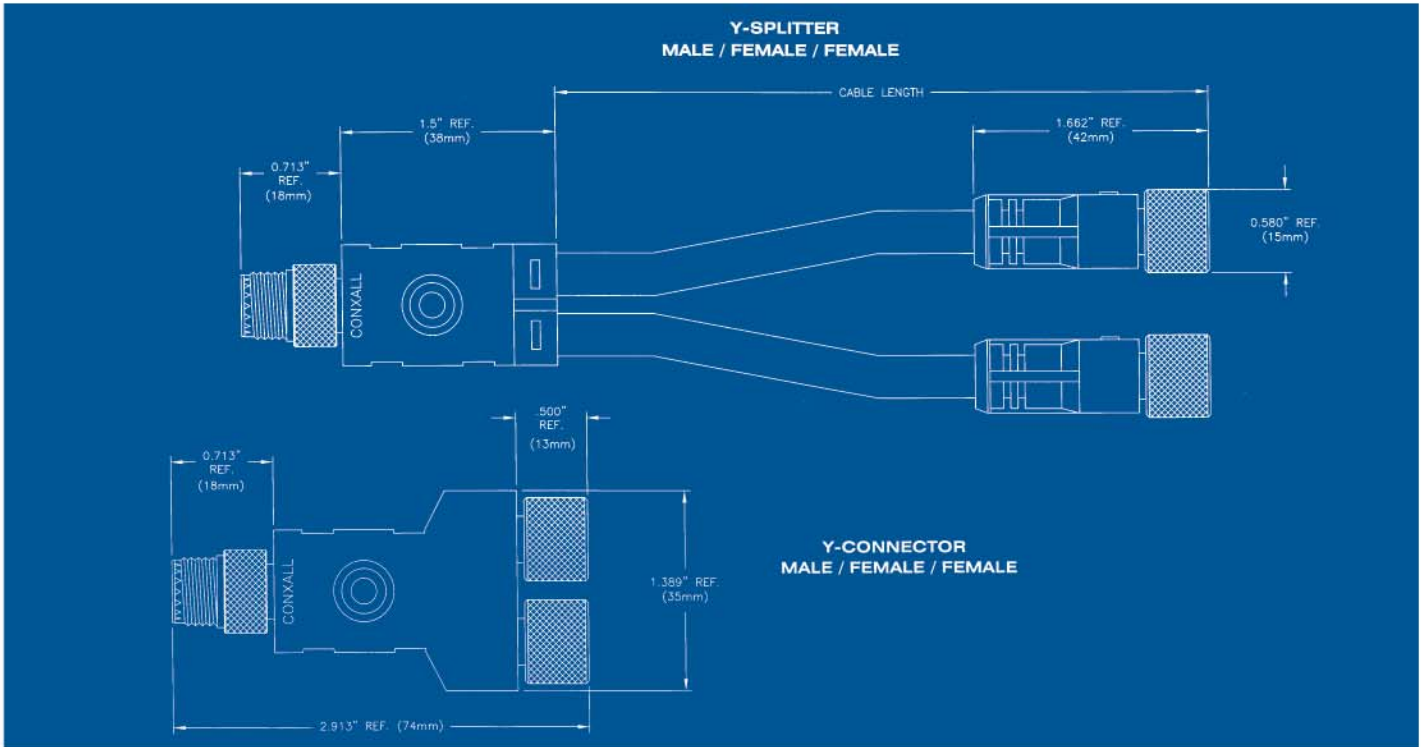
For mechanical, electrical and wiring sequence see pages 28 & 29.

90° assemblies have major key position at 6 o'clock (in line with the cable).

# SENSOR-LINK AC METAL MICRO-MIZER®



## MOLDED CONNECTOR ASSEMBLIES



Anti-vibration coupling nuts standard.

Face View Male	Rating	Wiring Diagram	Y-Splitter Female / Female Female	Y-Splitter Male / Female Female	Y-Connector Female / Female Female	Y-Connector Male / Female Female
	3A 300V		492S2S2S12 492S2S2SXXX	492P2S2S12 492P2S2SXXX	422S2S2S	422P2S2S
	3A 300V		493S3S3S12 493S3S3SXXX	493P3S3S12 493P3S3SXXX	423S3S3S	423P3S3S
	3A 300V		494S4S4S12 494S4S4SXXX	494P4S4S12 494P4S4SXXX	424S4S4S	424P4S4S
	3A 300V		495S5S5S12 495S5S5SXXX	495P5S5S12 495P5S5SXXX	425S5S5S	425P5S5S
	3A 300V		496S6S6S12 496S6S6SXXX	496P6S6S12 496P6S6SXXX	426S6S6S	426P6S6S

XXX – Indicates “cable length” in inches, other than standard 12 inch length.  
For mechanical, electrical and wiring sequence see pages 28 & 29.  
For insert combinations not shown — consult factory.

# SENSOR-LINK MICRO-MIZER®

## MOLDED CONNECTOR ASSEMBLIES

### STANDARD MINI-MIZER WIRING SEQUENCE

Panel Mounts and Cable Assemblies Conductor  
Color Code per Contact Position:

#### DC

##### 2 CONTACTS

3.	BRN	
4.	BLU	

##### 3 CONTACTS

1.	BRN	
3.	BLU	
4.	BLK	

##### 4 CONTACTS

1.	BRN	
2.	WHT	
3.	BLU	
4.	BLK	

##### 5 CONTACTS

1.	BRN	
2.	WHT	
3.	BLU	
4.	BLK	
5.	GRY	

##### 8 CONTACTS

1.	WHT	
2.	BRN	
3.	GRN	
4.	YEL	
5.	GRY	
6.	PINK	
7.	BLU	
8.	RED	

#### AC

##### 2 CONTACTS

1.	BRN	
2.	BLU	

##### 3 CONTACTS

1.	GRN	
2.	RED/BLK	
3.	RED/WHT	

##### 4 CONTACTS

1.	RED/BLK	
2.	RED/WHT	
3.	RED	
4.	GRN	

##### 5 CONTACTS

1.	RED/WHT	
2.	RED	
3.	GRN	
4.	RED/YEL	
5.	RED/BLK	

##### 6 CONTACTS

1.	RED/WHT	
2.	RED	
3.	GRN	
4.	RED/YEL	
5.	RED/BLK	
6.	RED/BLU	

### SENSOR LINK PRODUCT LINE

### MICRO-MIZER® SPECIFICATIONS

#### STANDARD PANEL MOUNTS:

- 22 AWG, 80°C, 300V, PVC Hook-up Wire
- Nylon Insert
- Lead Length 12 In.
- Epoxy Filled

#### STANDARD AC & DC METAL:

- 22 AWG, PVC Yellow Jacketed Cable
  - Nylon Insert ( Black for AC, Yellow for DC)
  - PVC, Yellow Overmold
  - Length 3, 6 and 12 Ft. for AC 1, 2 and 4 Meters for DC
- Options*
- 22 AWG, Polyurethane Yellow Jacketed Cable  
For polyurethane cable add suffix "U"
  - 22 AWG, PVC & Polyurethane Yellow Jacketed Shielded Cable  
For Shielded Cable add suffix "S"
- Lengths other than standard

#### STANDARD SINGLE KEY PLASTIC:

- 22 AWG, PVC Yellow Jacketed Cable
  - Nylon, Black Insert
  - PVC, Black Overmold
  - Length 1, 2 and 4 Meters
- Options*
- 22 AWG, Polyurethane Yellow Jacketed Cable  
For polyurethane cable add suffix "U"
  - 22 AWG, PVC & Polyurethane Yellow Jacketed Shielded Cable  
For Shielded Cable add suffix "S"
- Lengths other than standard

#### Y-SPLITTER ASSEMBLIES:

- 22 AWG, PVC Yellow Jacketed Cable
  - Nylon Insert
  - PVC Overmold
- Options*
- 22 AWG, Polyurethane Yellow Jacketed Cable

#### DC LED CORDSETS:

- 1 Green & 1 Yellow Extended Life LEDs (Typical life @ ambient temperature is 100,000 hours.)
  - PNP or NPN
  - 22 AWG, PVC Yellow Jacketed Cable
  - Nylon Insert
  - PVC, Clear Overmold
- Options*
- 22 AWG, Polyurethane Yellow Jacketed Cable
  - Polyurethane, Clear Overmold

**ELECTRICAL RATING**

**VOLTAGE: Metal/Plastic** (Non-LED Assemblies) - 300V  
**Metal** (LED Assemblies) - 10-30V DC

**CABLE ASSEMBLIES**

**COUPLING NUT: Metal**-Anodized Aluminum  
**Plastic**-Nylon  
**Optional**-Nickel-plated Brass or Stainless Steel  
(Consult Factory)

**CONTACTS: Metal/Plastic**-Copper Alloy, Gold-plated

**INSERT: Metal/Plastic**-Nylon

**MOLDED HEADS: Metal/Plastic**-PVC

**O-RINGS: Metal/Plastic**-Viton

**CABLE: Metal/Plastic**-22 AWG: PVC Insulated, Fine Stranded Copper Conductors,  
Yellow Oil Resistant PVC Jacketed 300V, ST, 105°C.  
UL Recognized, CSA Certified

**PANEL MOUNT ASSEMBLIES**

**SHELLS: Metal**-Anodized Aluminum  
**Plastic**-Nylon

**Optional**-Nickel-plated Brass  
(Consult Factory)

**CONTACTS: Metal/Plastic**-Copper Alloy, Gold-plated

**INSERTS: Metal**-Nylon

**WIRE: Metal/Plastic**-22 AWG PVC Insulated, 300V  
UL Recognized, CSA Certified

**ENVIRONMENTAL**

**PROTECTION: Metal/Plastic**-NEMA 6P, IP67 & IP68

**OPERATING**

**AMBIENT: Metal/Plastic**--20° to 80°C

**CERTIFICATIONS**

**UL: Metal/Plastic**-UL Recognized,  
File No. E150822

**cUL: Metal/Plastic**-Canadian UL Recognized,  
File No. E150822

**CSA: Metal/Plastic**-CSA  
Certified File No. 181200