

EN2

0.53" [13MM] OD 2-7 CONTACTS



WINGED CABLE END - PIN
MATES WITH PANEL MOUNT



RIBBED CABLE END - PIN
MATES WITH PANEL MOUNT



WINGED CABLE END - SOCKET
MATES WITH PANEL MOUNT



RIBBED CABLE END - SOCKET
MATES WITH PANEL MOUNT



PANEL MOUNT - PIN
MATES WITH CABLE END



PANEL MOUNT - SOCKET
MATES WITH CABLE END

SPECIFICATIONS

Mechanical Specifications

Life:	600 insertion/withdrawal cycles minimum
Vibration:	Mil-Std 202G Method 201A
Hex Nut Torque:	5-6 in/lb
Operating Forces:	8 lb maximum insertion 0.25 lb minimum withdrawal
Back Shell Type:	Threaded Handle
Conductor Sizes:	#20 contacts accepts 20 through 26 AWG #22 contacts accepts 20 through 26 AWG #26 contacts accepts 26 through 30 AWG

Electrical Specifications

Voltage Rating:	250 V AC/DC for 2 contact arrangement 125 V AC/DC for 3-7 contact arrangements
Current Rating:	See current rating table on page 109
Insulation Resistance:	1000 M Ω minimum
Contact Resistance:	10 m Ω maximum

Environmental Specifications

Operating Temperature Limits:	-40°C to +85°C (-40°F to +185°F)
Moisture Resistance:	Mil-Std 202G Method 106G
Insulation Resistance:	Mil-Std 202G Method 302 Condition B
Thermal Shock:	Mil-Std 202G Method 107G
Salt Atmosphere (Corrosion):	Mil-Std 202G Method 101E Condition B
Weatheright Ratings:	IP16, IP18, IP66, IP67, IP68 per IEC60529 NEMA 250 (6P), CFR 46 Part 110.20

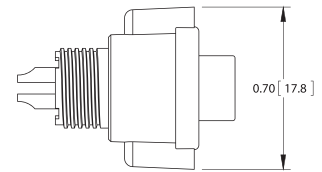
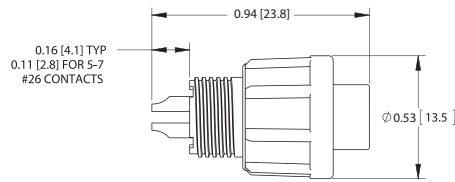
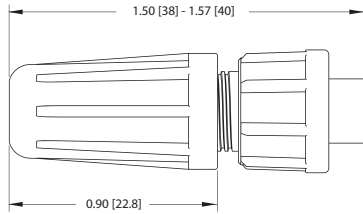
Material Specifications

Connector Housing:	Thermoplastic, Black
Hex Nut:	Thermoplastic, Black
Coupling Ring:	Thermoplastic, Black
Cable Clamp:	Thermoplastic, Black
Handle (Back-Shell)	Thermoplastic, Black
Insulator:	Elastomer, Black
Seal Grommet:	Elastomer, Black
Contacts:	Copper Alloy, Plated

Consult factory for optional colors and materials

NOTE: Seal grommet provides an integrated O-ring seal for the connector assembly instead of a separate O-ring.

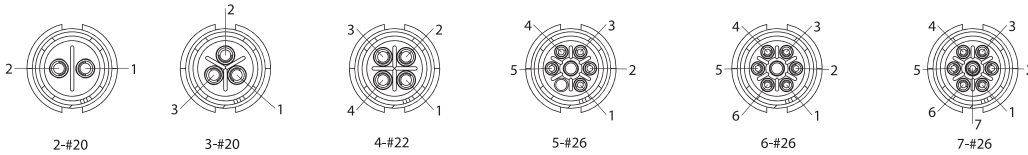
CORD



TYPICAL CORD CONNECTOR WITH RIBBED COUPLING RING

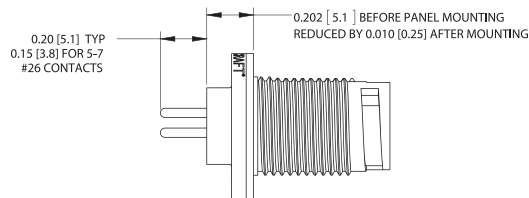
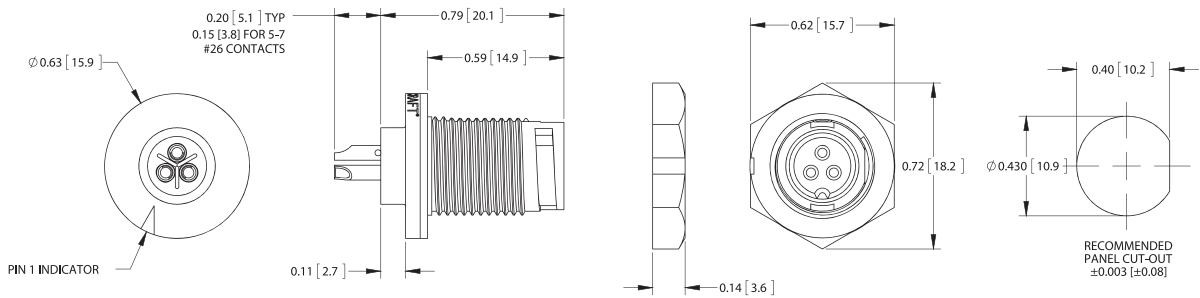
TYPICAL CORD CONNECTOR WITH WINGED COUPLING RING

ALL DIMENSIONS FOR REFERENCE ONLY



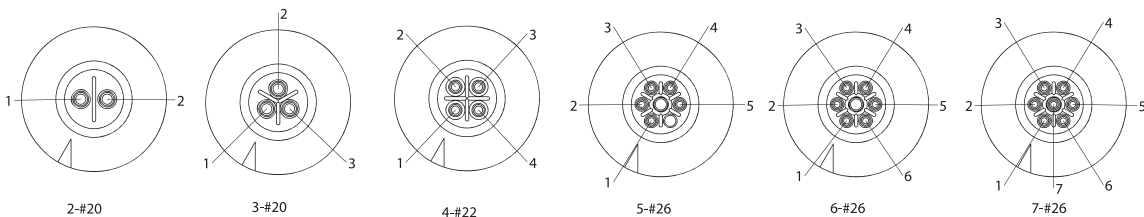
CONTACT ARRANGEMENTS CORD CONNECTOR REAR (WIRING SIDE) VIEW

PANEL MOUNT



PC TAIL TYPE CONTACTS

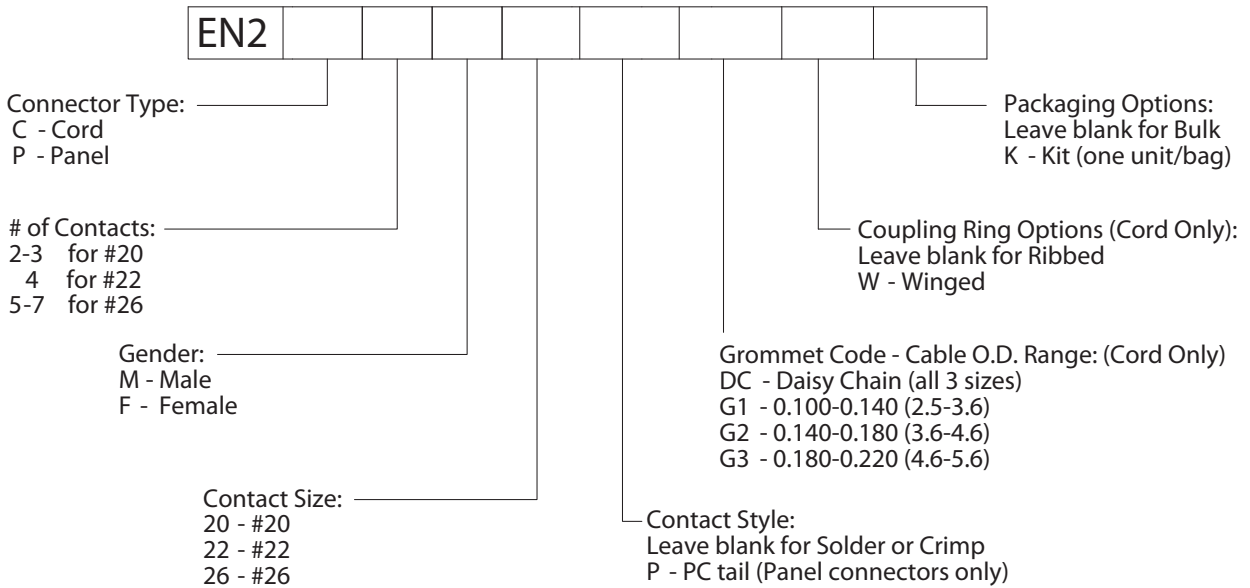
ALL DIMENSIONS FOR REFERENCE ONLY



CONTACT ARRANGEMENTS PANEL CONNECTOR REAR (WIRING SIDE) VIEW

All dimensions are for reference only. Units shown: in[mm].

PART NUMBER TO ORDER



Consult factory for Cable to Cable (Inline) type connectors.

EN2 & EN3® ELECTRICAL CURRENT RATING CHART

EN2 SERIES CURRENT RATING TABLE

CONTACTS	WIRE (AWG)	CURRENT RATING (A) AT OPERATING TEMPERATURE (°C)				
		45° C MAX	55° C MAX	65° C MAX	75° C MAX	85° C MAX
2 #20	20	7	6	5	4	3.5
	22	5.5	5	4	3	2.5
	24	5.5	5	4	3	2.5
	26	4	3.5	2.5	2	1
3 #20	20	6.5	5.5	4.5	3.5	2
	22	5	4.5	3.5	3	1.5
	24	5	4.5	3.5	3	1.5
	26	3	2.5	2	1.5	0.5
4 #22	20	5	4.5	3.5	3	1.5
	22	4.5	4	3	2	1
	24	4.5	4	3	2	1
	26	3	2.5	2	1.5	0.5
5-7 #26	26	3	2.5	2	1.5	1
	28	2.5	2	1.5	1	0.5
	30	2	1.5	1	0.5	0.5

EN3® SERIES CURRENT RATING TABLE

CONTACT SIZE	CONDUCTOR SIZE - AWG	NUMBER OF CONDUCTORS	CURRENT RATING
#16	16	2 through 3	13.0A
	18		
#20	20	2 through 6	7.5A
	22		
	20	7 through 8	6.5A
	22		
#26	26	9 through 18	3A
	28		

TOOLING

EN2 & EN3® CONTACT CRIMPING TOOL

Handle	Description	Positioner	Contact Sizes	Wire Sizes
EN3CR	Crimp Hand Tool	EN3POS16	#16	16 AWG
		EN3POS20	#20	20 & 22 AWG
		EN3POS26	#26	26, 28 & 30 AWG
EN3CRAUTO	Pneumatic Crimp Tool	EN3POS16	#16	16 AWG
		EN3POS20	#20	20 & 22 AWG
		EN3POS26	#26	26, 28 & 30 AWG

EN2 & EN3® INSERTION / EXTRACTION TOOLS

Part Number	Contact Sizes	Description
EN3INS16	#16	Insertion / Extraction Tool for 16 AWG
EN3INS20	#20, #22	Insertion / Extraction Tool for 20 & 22 AWG
EN3INS26	#26	Insertion / Extraction Tool for 26, 28 & 30 AWG

EN2 & EN3® ALTERNATE LARGER FRAME TOOL

Handle	Description	Positioner	Contact Sizes	Wire Sizes
EN2CRL	Hand Tool	EN2POS20L	#20, #22	20-22-24-26 AWG
EN2CRAUTOL	Pneumatic Tool			