



Connector Tech LLC's Envirotec™ series of connectors are designed for harsh environments where dependability is critical. Originally designed for the geophysical industry, Envirotec™ uses high impact glass filled nylon and military derived connector hardware that enable it to withstand extreme levels of punishment.

Technical Features

Mechanical

- Durability: 500 mating cycles

Material

- Shell: aluminum alloy
- Finish: Hard anodized (non-conductive); Nickel (conductive)
- Insert: Neoprene elastomer
- Contacts: Copper alloy with gold plating
- Housing: High impact glass filled nylon
- Coupling ring seal: Teflon over silicon

Electrical

- Insulation resistance: 5000M ohm
- Dielectric withstanding voltage: 2300V
- Contact 3M ohm
- Current rating per contact: Size 16 = 13A / 20 = 7.5A

Cable acceptance

- Cable diameters up to 0.71 inches (consult factory)

Environmental

- Working temperature: -55C to +125C
- Sealing: IP68

Flex and Dome cable fittings

expand allowable cable OD to .71"

- Shells in aluminum with available hard anodized and nickel plating
- Housings made of high impact glass filled nylon
- Several contact layouts available
- Submersible to 15m at 120 hours
- Exclusive anti-seize coupling ring with Teflon
- Standard (STD) bend restrictor allows up to .44" cable entry
- Shielded versions available

Product Series	ETR	16	-8	P		BK	FSR
ET – Standard Shell							
ETR – Ruggedized Shell (sizes 16 and 20 only)							
ETNZ – Shielded							
Shell Size (10, 12, 14, 16, 18, 20, 22)							
Insert arrangement (see Table 1)							
Contact Type (P = Pin, S = Socket)							
Orientation (Omit for normal)							
Envirotec color (BK = Black, MK = Mink, RD = Red, BL = Blue)							
Cable Entry (in 0.001 inches for STD ben restrictor; FSR = Flex, DSR = Dome)							



DSR



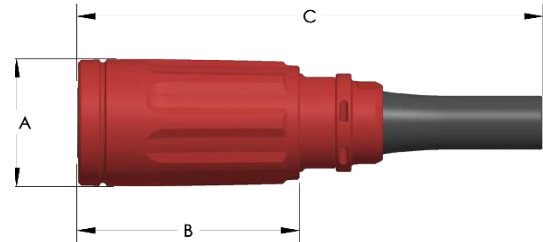
STD



FSR

Part No	Dimension Variable			Cable Entry			
				Standard		FSR/DSR	
	A	B	C	Min	Max	Min	Max
ET-10	24.9	51.2	104.5	4.6	5.1	2.0	6.6
ET-12	27.9	51.2	103.7	5.0	8.1	2.0	9.9
ET-14	33.0	57.6	110.8	5.6	11.2	4.8	14.0
ET-16	36.2	63.9	122.2	5.6	14.2	4.8	14.0
ET-18	36.2	63.9	122.2	5.8	11.2	8.9	18.0
ET-20	43.7	108.4	197.1	5.8	11.2	8.9	18.0
ET-22	48.8	91.4	184.1	5.8	11.2	8.9	18.0
ETR-16	41.9	83.4	172.0	5.8	11.2	8.9	18.0
ETR-20	47.0	91.4	184.2	5.8	11.2	8.9	18.0

Dimensions in mm



10	12	14	16	18	20	20	22
6 6 ∅ 1 (#20)	3 3 ∅ 1.6 (#16)	5 5 ∅ 1.6 (#16)	8 8 ∅ 1.6 (#16)	11 11 ∅ 1.6 (#16)	16 16 ∅ 1.6 (#16)	24 24 ∅ 1 (#20)	21 21 ∅ 1.6 (#16)
	8 8 ∅ 1 (#20)	12 8 ∅ 1 (#20) 4 ∅ 1.6 (#16)					36 36 ∅ 1 (#20)
7 7 ∅ 1 (#20)	10 10 ∅ 1 (#20)	15 14 ∅ 1 (#20) 1 ∅ 1.6 (#16)	23 22 ∅ 1 (#20) 1 ∅ 1.6 (#16)	32 32 ∅ 1 (#20)	39 37 ∅ 1.6 (#20) 2 ∅ 1.6 (#16)	25 25 ∅ 1 (#20)	55 55 ∅ 1 (#20)
	2 2 ∅ 1.6 (#16)	18 18 ∅ 1 (#20)					32 32 ∅ 1 (#20)
98 6 ∅ 1 (#20)	14 14 ∅ 1 (#20)	19 19 ∅ 1 (#20)	26 26 ∅ 1 (#20)	30 29 ∅ 1 (#20) 1 ∅ 1.6 (#16)	41 41 ∅ 1.6 (#20)	27 27 ∅ 1 (#20)	34 34 ∅ 1 (#20)