

Envirotec™ Series

The 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 silicone

Electrical

Insulation resistance: 5000 Mohm

Dielectric withstanding voltage: 2300V

Contact resistance: 3 mohm

Current rating per contact: Size 16 = 13 A / 20 = 7.5 A

Cable acceptance

Cable diameters up to 0.98 inches (consult CTI)

Environmental

Working temperature: -55C to +125C

Sealing: IP68

Customizable and innovative design allows for a wide variety of mods including memory devices, USB, and RJ45

Housings made of high impact glass-filled Nylon

Waterproof and submersible; lab tested to 15m at 120 hours

Shielded versions available

New Flex and Dome cable fittings expand allowable cable OD to .98"

Product Series

ET - Standard Shell

ETR - Ruggedized Shell (sizes 16, 20 only)

ETNZ - Shielded

ET01 - In-line Receptacle

Shell Size (10, 12, 14, 16, 18, 20, 22)

Insert Arrangement (see Table I)

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 bend restrictor; FSR = Flex

DSR = Dome

ETR 16 - 8 P BK FSR

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CTI 
CONNECTOR TECHNOLOGY INC

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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	10
ET-12	27.9	51.2	103.7	5.0	8.1	2	10
ET-14	33.0	57.6	110.8	5.6	11.2	6	12
ET-16	36.2	63.9	138.7	5.6	14.2	5	14
ET-18	36.2	63.9	172.0	5.8	11.2	5	18
ET-20	43.7	108.4	197.1	5.8	11.2	9	18
ET-22	48.8	91.4	184.1	5.8	11.2	9	18
ET-24	50.8	88.9	n/a	n/a	n/a	13	25
ETR-16	41.9	83.4	172.0	5.8	11.2	5	18
ETR-20	47.0	91.4	184.2	5.8	11.2	9	18

Dimensions in mm

*Please consult CTI for proper cable fitting

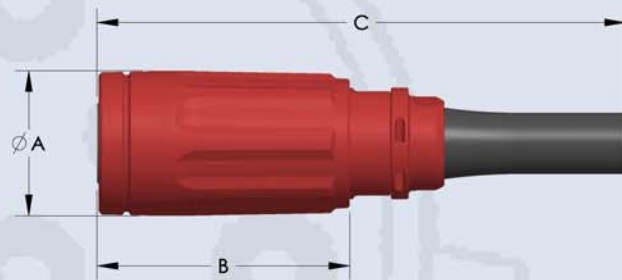


Table I

10	12	14	16	18	20	22	24
6 6 Ø 1 (# 20)	3 3 Ø 1.6 (# 16)	5 5 Ø 1.6 (# 16)	8 8 Ø 1.6 (# 16)	11 11 Ø 1.6 (# 16)	16 16 Ø 1.6 (# 16)	21 21 Ø 1.6 (# 16)	
	8 8 Ø 1 (# 20)	12 8 Ø 1 (# 20) 4 Ø 1.6 (# 16)			39 37 Ø 1 (# 20) 2 Ø 1.6 (# 16)	36 36 Ø 1 (# 20)	
7 7 Ø 1 (# 20)	10 10 Ø 1 (# 20)	15 14 Ø 1 (# 20) 1 Ø 1.6 (# 16)	23 22 Ø 1 (# 20) 1 Ø 1.6 (# 16)	32 32 Ø 1 (# 20)	41 41 Ø 1 (# 20)	55 55 Ø 1 (# 20)	61 61 Ø 1 (# 20)
	2 2 Ø 1.6 (# 16)	18 18 Ø 1 (# 20)			24 24 Ø 1 (# 20)	32 32 Ø 1 (# 20)	
98 6 Ø 1 (# 20)	14 14 Ø 1 (# 20)	19 19 Ø 1 (# 20)	26 26 Ø 1 (# 20)	30 29 Ø 1 (# 20) 1 Ø 1.6 (# 16)	25 25 Ø 1 (# 20)	34 34 Ø 1 (# 20)	
					27 27 Ø 1 (# 20)		

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