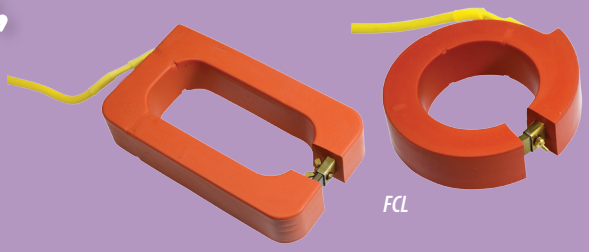
Flexible Current Transformer, 5 Amp or Voltage Output

Flexible Split-Core Design for Large Size Applications



FCL

DESCRIPTION

FCL round and rectangular flexible CT is designed for large bus and large wire applications where standard sized CTs will not fit.

APPLICATIONS

- Data logging
- Recording
- Power monitoring
- Energy management
- Alternative energy monitoring
- Cost allocation

FEATURES

- Multiple sizes to fit your applications
- Flexible core design...easy installation
- Output available in 5A, 1V, or 0.333V...compatible with existing systems

Flexible core twists open for easier fit around wires

SPECIFICATIONS

15 Month Warranty

Inputs:

Frequency Range	50 - 400 Hz
Leads	12 ft. (3.7 m)

Accuracy:

Accuracy	Varies at full scale (see Ordering Information)

Outputs:

Output at Rated Current	5A, 0.333VAC, or 1VAC

Mechanical:

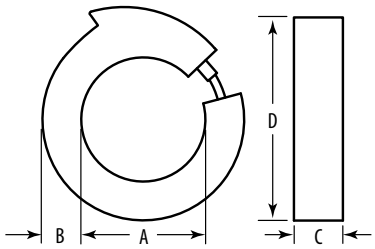
Insulation	600VAC

Environmental:

Operating Temperature Range	-45° to 55°C (-49° to 131°F)
Storage Temperature Range	-45° to 65°C (-49° to 149°F)
Agency Approvals	cURus, CE, RoHS

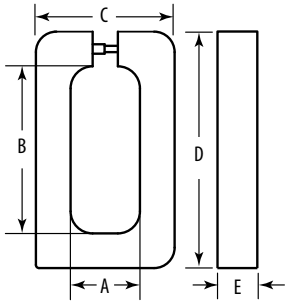
DIMENSIONAL DRAWINGS

Round Flexible Core



	-4 Model	-6 Model	-8 Model	-11 Model	-18 Model
A	4.0" (101 mm)	6.0" (152 mm)	8.0" (203 mm)	11.0" (279 mm)	18.0" (457 mm)
B	1.25" (32 mm)	1.25" (32 mm)	1.25" (32 mm)	1.25" (32 mm)	1.25" (32 mm)
C	1.5" (38 mm)	1.5" (38 mm)	1.5" (38 mm)	1.5" (38 mm)	1.5" (38 mm)
D	6.5" (165 mm)	8.5" (216 mm)	10.5" (267 mm)	13.5" (343 mm)	20.5" (521 mm)

Rectangular Flexible Core



	-R Model	-R411 Model
A	2.75" (70 mm)	4.0" (101 mm)
B	6.6" (168 mm)	11.0" (279 mm)
C	5.5" (140 mm)	6.5" (165 mm)
D	9.4" (240 mm)	13.4" (340 mm)
E	1.5" (38 mm)	1.5" (38 mm)

ORDERING INFORMATION

E186575

RoHS Compliant

Split-Core

FCL [ ] / [ ] – [ ]

Current

200 = 200A
250 = 250A
300 = 300A
400 = 400A
500 = 500A
600 = 600A
800 = 800A
1000 = 1000A
1200 = 1200A
1500 = 1500A
1600 = 1600A
2000 = 2000A
2400 = 2400A
2500 = 2500A
3000 = 3000A
3500 = 3500A
4000 = 4000A
5000 = 5000A
6000 = 6000A

Output

5 = 5A
1V = 0-1VAC
0.3V = 0-0.333VAC

I.D.

4 = 5A, Round, 4" (200A-2000A)
6 = 5A, Round, 6" (300A-3000A)
8 = 5A, Round, 8" (1000A-5000A)
11 = 5A, Round, 11" (1500A-6000A)
18 = 5A, Round, 18" (2000A-6000A)
R = 5A, Rectangular, 2.75" x 6.625" (300A-4000A)
R411 = 5A, Rectangular, 4" x 11" (1500A-6000A)
4 = 1V, Round, 4" (200A-1000A)
6 = 1V, Round, 6" (500A-2000A)
8 = 1V, Round, 8" (1000A-2000)
11 = 1V, Round, 11" (1500A-3500A)
18 = 1V, Round, 18" (2000A-6000A)
R = 1V, Rectangular, 2.75" x 6.625" (500A-1600A)
R411 = 1V, Rectangular, 4" x 11" (1000A-2500A)
4 = 0.3V, Round, 4" (200A-1500A)
6 = 0.3V, Round, 6" (500A-4000A)
8 = 0.3V, Round, 8" (1000-6000A)
11 = 0.3V, Round, 11" (1500A-6000A)
18 = 0.3V, Round, 18" (2000A-6000A)
R = 0.3V, Rectangular, 2.75" x 6.625" (500A-4000A)
R411 = 0.3V, Rectangular, 4" x 11" (1000A-6000A)

Accuracy at Full Scale

200:5 thru 300:5.....4%
400:5 thru 500:5.....3%
600:5 thru 800:5.....2%
1000:5 thru 6000:5.....1%
For 1VAC and 0.333VAC....1% at full scale

Example:

FCL [2000] / [5] – [11]

2000A CT with 11" inside diameter and 5A output

POWER METERING CTS