

0.3% Metering Accuracy ElbowSense™ Voltage Sensors

Accuracy voltage sensors for use on 200A and 600A medium voltage cable systems.

Available Styles:

200A Loadbreak Elbow Style

15kV	25kV	35kV
✓	✓	

200A Deadbreak Tee body Style

15kV	25kV	35kV
✓		

600A Plug Voltage Style

15kV	25kV	35kV
✓	✓	✓



All sensors are available with cast-in cables or cast-in connectors

Applications

- Pad-mount, submersible and metal clad switchgear using IEEE Std 738 compatible 200A and/or 600A cable systems.
- The sensor’s form factor may make it more convenient to install than conventional indoor metering class PTs.
- The 0.3% accuracy of these sensors is suitable for use in any voltage monitoring application including metering. NOTE: The same sensors are available in lower 0.5% accuracy for non-metering applications.
- Accuracy applies across a -40/+55C operating temperature range.

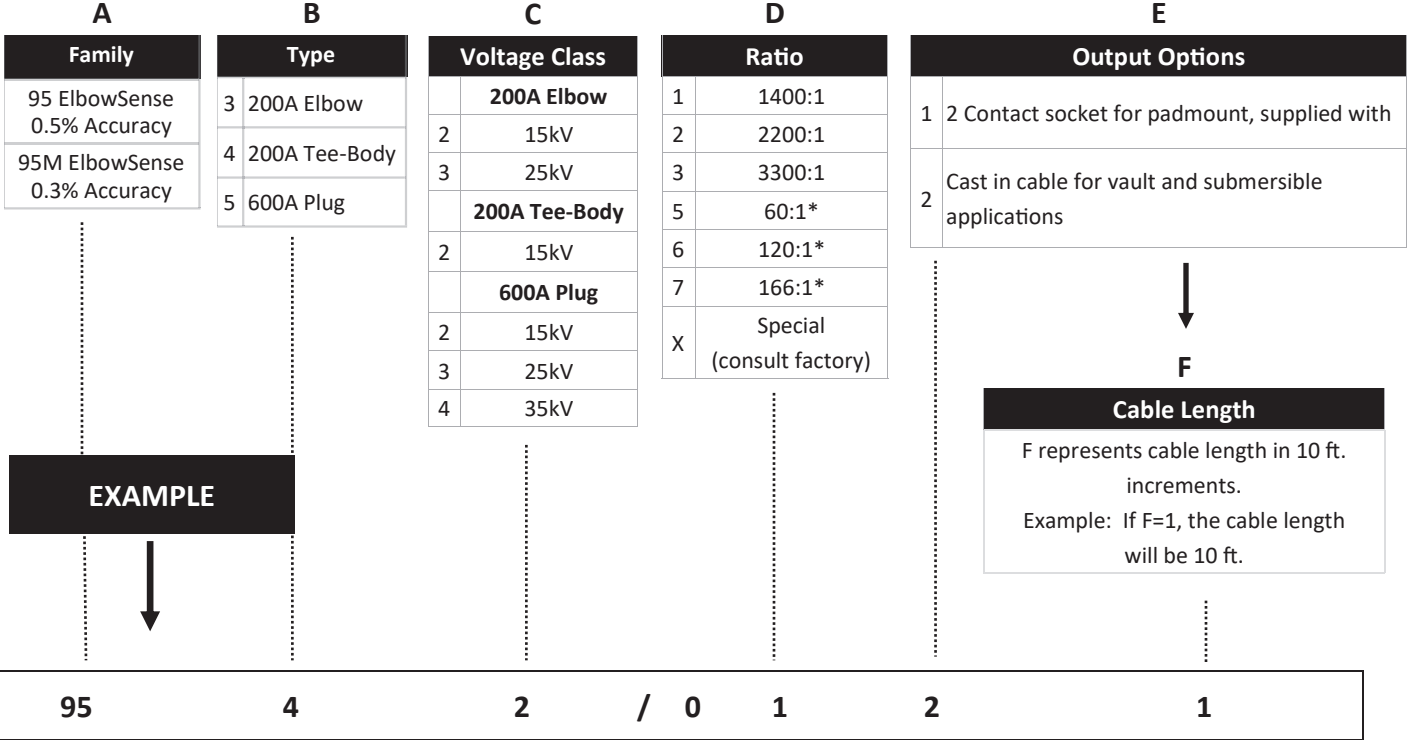
Sensor Construction and Output

The sensors contain a very high accuracy internal resistor voltage divider network. The output is intended to be compatible with high input impedance ($\geq 1 \text{ M}\Omega$) meters, relays, controls, RTUs, or other IEDs. Output voltage ratio may be specified.

Sensors may be identified from their 0.5% accuracy counterparts by the gold band around the sensor body.

ElbowSense Voltage Sensor Ordering

Part Number Sequence: A B C / 0 D E F



Example: 9542/0121 is a 15kV class, 200A deadbreak, 0.5% accuracy, T-body sensor with a 1400:1 ratio output with a cast-in 10 foot cable.

***Note:** Not available with 0.3% metering accuracy.

Sensor Dimensions	A	B	C	D
Inches (mm)				
Elbow Sensor , 15kV	7.0 (178)	10.0 (253)	3.5 (88)	-
Elbow Sensor , 25kV	7.4 (189)	10.0 (253)	3.5 (88)	-
Tee-Body Sensor, 15kV	10.3 (263)	9.4 (239)	3.4 (86)	8.9 (226)
Plug Sensor, 15kV	9.4 (238)	3.3 (83)	-	-
Plug Sensor, 25kV	9.4 (238)	3.3 (83)	-	-
Plug Sensor, 35kV	10.6 (270)	3.5 (89)	-	-

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