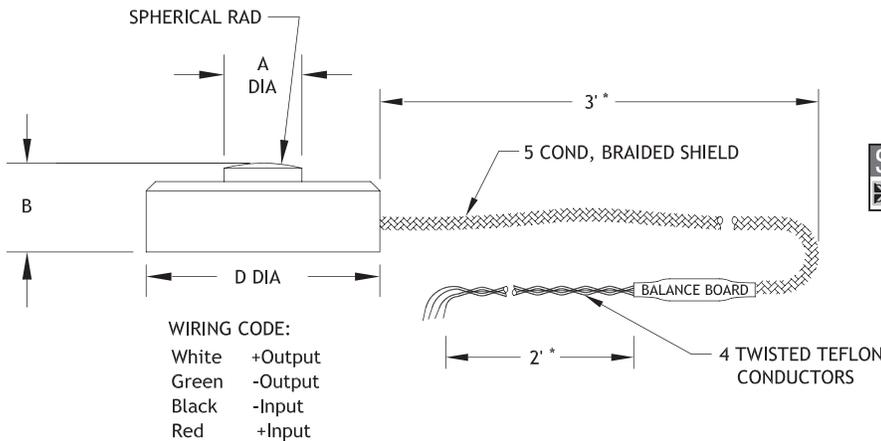


# Subminiature Compression Load Cell

Model XLC86

Force



max.  
1,000  
lbs



### Measuring ranges

- 0-50 g to 0-1,000 lbs



### Features

- Very Small Size
- 1.00% Accuracy
- Ease of Installation



### Options

- Overload Protection
- Extended Compensated Temperature Range
- Inline Amplifier
- Cable Length



### Drawing

- 99-2634-0000

All dimensions are in inches, unless otherwise noted. Also available in metric units.

PERFORMANCE SPECIFICATIONS (FSO is Full Scale Output)		Capacity (gram/lbs)	Ordering Example
EXCITATION	5 VDC	50 grams	XLC86-050G
OUTPUT		1,000 grams	XLC86-01KG
50 to 150g	0.1 mV/V/g	10 lbs	XLC86-0010
250 to 500g	10 mV/V	250 lbs	XLC86-0250
1000g	1.0 mV/V	1,000 lbs	XLC86-001K
5 to 1000lb	2 mV/V Nominal		
LINEARITY			
50 to 500g	±1.00% FSO		
1000g to 1000lb	±1.00% FSO		
HYSTERESIS			
50 to 500g	±0.50% FSO		
1000g to 1000lb	±0.50% FSO		
REPEATABILITY	±0.10% FSO		
ZERO BALANCE	±2% FSO		
OPERATING TEMP RANGE	-65 to +250°F (-54 to +121°C)		
COMPENSATED TEMP RANGE	+65 to +160°F (+15 to +71°C)		
THERMAL EFFECTS			
on Zero	±0.01% FSO/°F		
on Span	±0.02% Reading/°F		
SAFE OVERLOAD	150% of Capacity		
ULTIMATE OVERLOAD	300% of Capacity		
BRIDGE RESISTANCE			
50 to 500g	500 Ohms (semiconductor)		
1000g to 1000lb	350 Ohms (foil)		
CASING MATERIAL	Stainless Steel		

Ranges (gram/lbs)	D	A	B
0-50 to 0-500 grams	.38	.09	.13
0-1,000 grams to 0-50 lbs	.38	.09	.13
0-100 to 0-250 lbs	.50	.12	.15
0-500 to 0-1,000 lbs	.75	.25	.25