

# UNCLB

TENSION / COMPRESSION TYPE LOAD CELL

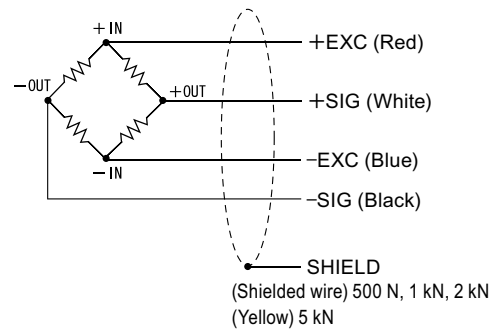


## Specifications

Model	UNCLB-500N	UNCLB-1KN	UNCLB-2KN	UNCLB-5KN
Rated capacity	500 N	1 kN	2 kN	5 kN
Rated output	Approx. 0.5 mV/V	Approx. 1 mV/V	Approx. 1.5 mV/V	Approx. 2 mV/V
Safe overload	120% R.C.			150% R.C.
Zero balance	±10% R.O.			
Non-linearity	0.5% or less R.O.			0.15% or less R.O.
Hysteresis	0.5% or less R.O.			0.15% or less R.O.
Repeatability	0.3% or less R.O.			0.1% or less R.O.
Compensated temperature range	-10 to +60°C			
Safe temperature range	-20 to +70°C			
Temperature effect on zero	0.5 R.O./10°C or below			
Temperature effect on span	0.5 R.O./10°C or below			
Input resistance	Approx. 350 Ω			
Output resistance	Approx. 350 Ω			
Recommended excitation voltage	2.5 V			10 V
Maximum excitation voltage	6 V			15 V
Insulation resistance (DC 50 V)	1000 MΩ or more			
Cable	φ3 4-conductor shield cable 3m Cable end: 5 wires			φ6 4-conductor shield cable 5m Cable end: 5 wires
Load cell material	Stainless steel			
RoHS directives *	2011/65/EU (EU)2015/863			-

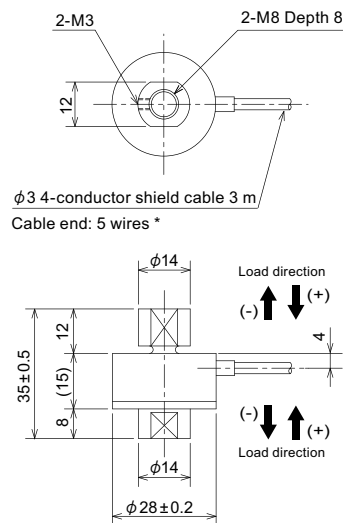
\* Supported only for UNCLB-500N, 1KN and 2KN

## Wiring diagram

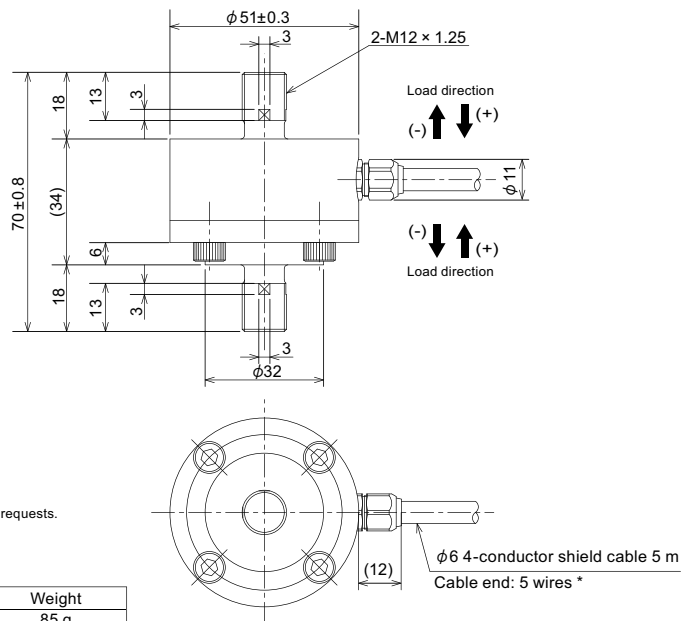


## External dimension

### UNCLB-500N/1KN/2KN



### UNCLB-5KN



\* Connector can be attached to the cable according to your requests. Refer to 84 pages for details.

Model	Deflection at rated	Natural frequency	Weight
UNCLB-500N	0.01 mm	16 kHz	85 g
UNCLB-1KN	0.02 mm	16 kHz	85 g
UNCLB-2KN	0.03 mm	19 kHz	85 g
UNCLB-5KN	0.06 mm	10 kHz	500 g

Unit: mm