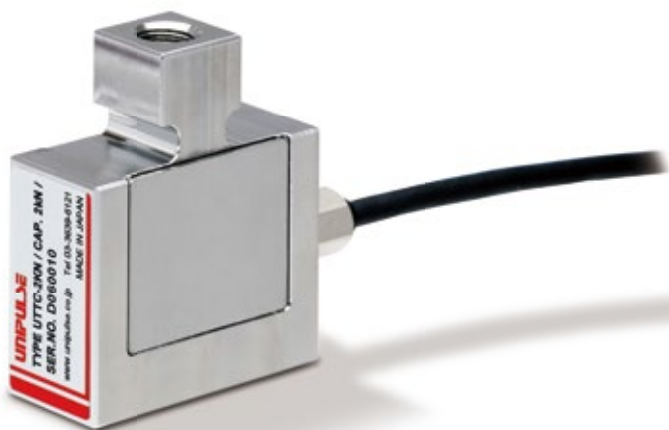


# UTTC TENSION / COMPRESSION TYPE LOAD CELL



- Both tension / compression supported
- High repeatability (0.1%)
- Less impact from lateral load, thus pressing force can be measured accurately

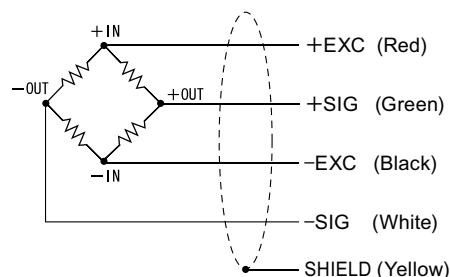


Flexible cable

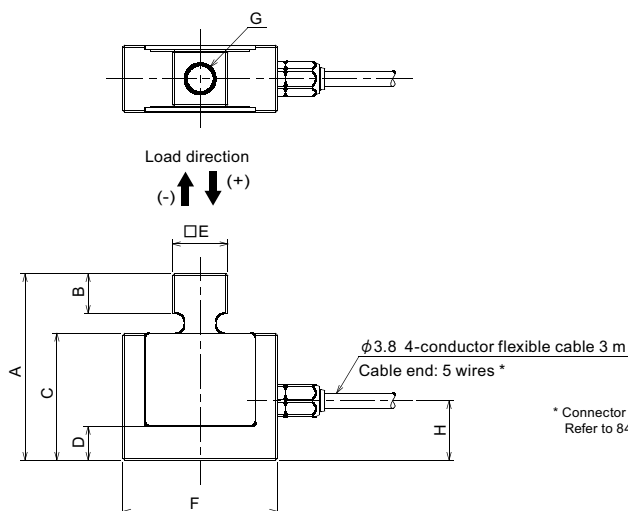
## Specifications

Model	UTTC-1KN	UTTC-2KN	UTTC-5KN	UTTC-10KN	UTTC-20KN	UTTC-50KN
Rated capacity	1 kN	2 kN	5 kN	10 kN	20 kN	50 kN
Rated output	Approx. 1 mV/V					
Safe overload	150% R.C.					
Zero balance	±10% R.O.					
Non-linearity	0.2% or less R.O.			0.1% or less R.O.		
Hysteresis	0.1% or less R.O.				0.2% or less R.O.	
Repeatability	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. 1000 Ω					
Output resistance	Approx. 1000 Ω					
Recommended excitation voltage	10 V					
Maximum excitation voltage	15 V					
Insulation resistance (DC 50 V)	1000 MΩ or more					
Cable	φ3.8 4-conductor flexible cable 3 m, Cable end: 5 wires					
Load cell material	Aluminum		Stainless steel			
RoHS directives	2011/65/EU (EU)2015/863					

## Wiring diagram



## External dimension



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

Model	Deflection at rated	Natural frequency	Weight	A	B	C	D	E	F	G	H	I
UTTC-1KN	0.020 mm	3.8 kHz	140 g	47	10	32	8.5	14	39	M8 Depth6	15	17
UTTC-2KN	0.030 mm	4.0 kHz	210 g									
UTTC-5KN		0.022 mm	5.2 kHz	300 g	53	14	35	7.5	19	42	M12 Depth8	14
UTTC-10KN	0.023 mm		4.2 kHz	920 g	77	19	50	15	32	65	M20×1.5 Depth9	24.5
UTTC-50KN	0.044 mm	4.5 kHz	M24×2.0 Depth12									

Unit: mm