

UWP WASHER TYPE LOAD CELL



**Easy-to-use thin washer type
Visualization of screw axial
force and fastening force**

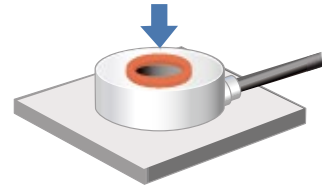


Flexible cable

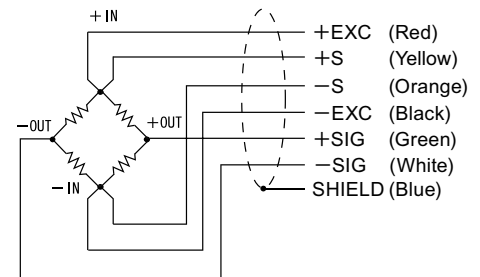
Specifications

Model	UWP-1KN, UWP-2KN	UWP-5KN, UWP-10KN, UWP-20KN
Rated capacity	1 kN, 2 kN	5 kN, 10 kN, 20 kN
Rated output	Approx. 1.0 mV/V	
Safe overload	300% R.C.	
Zero balance	±0.1 mV/V	
Non-linearity	2.0% or less R.O.	
Hysteresis	2.0% or less R.O.	
Repeatability	0.5% or less R.O.	
Compensated temperature range	0 to +60°C	
Safe temperature range	-10 to +70°C	
Temperature effect on zero	1% 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	5 V	
Maximum excitation voltage	10 V	
Insulation resistance (DC 50 V)	2000 MΩ or more	
Cable	φ2.5 6-conductor flexible cable Oil-resistant type 3 m Cable end: 7 wires	
Load cell material	Aluminum alloy	Stainless steel

Application example

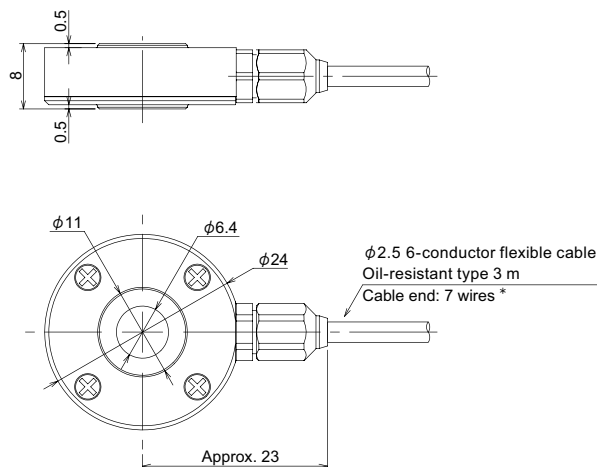


Wiring diagram

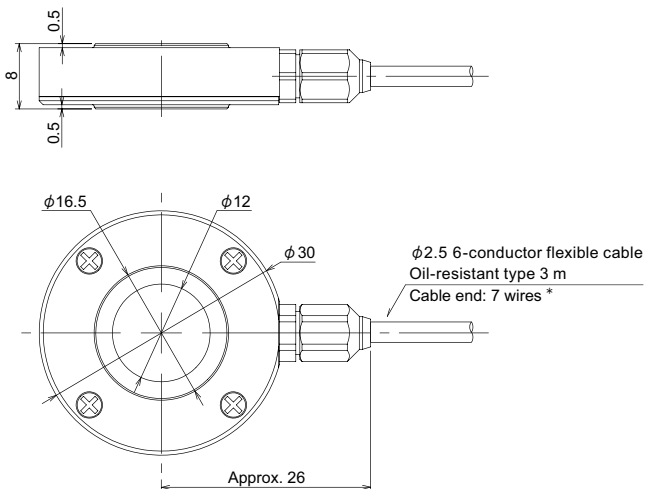


External dimension

UWP-1KN/2KN/5KN



UWP-10KN/20KN



Model	Deflection at rated	Natural frequency	Weight
UWP-1KN	0.050 mm	16 kHz	10 g
UWP-2KN	0.060 mm		20 g
UWP-10KN	0.080 mm		30 g

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

Unit: mm