

UNLRS

COMPACT COMPRESSION TYPE LOAD CELL



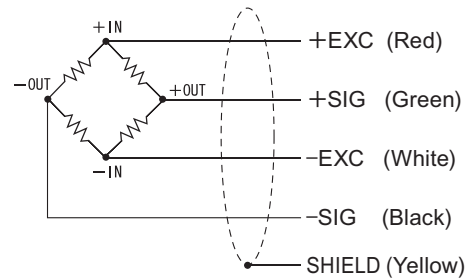
REAL SIZE



Specifications

Model	UNLRS-100N, UNLRS-100N-FG UNLRS-200N, UNLRS-200N-FG
Rated capacity	100 N, 200 N
Rated output	Approx. 1 mV/V
Safe overload	150% R.C.
Zero balance	±20% R.O.
Non-linearity	0.3% or less R.O.
Hysteresis	0.3% or less R.O.
Repeatability	0.1% or less R.O.
Compensated temperature range	0 to +60°C
Safe temperature range	-10 to +60°C
Temperature effect on zero	2.0% R.O./10°C or below
Temperature effect on span	1.0% R.O./10°C or below
Input resistance	Approx. 350 Ω
Output resistance	Approx. 350 Ω
Recommended excitation voltage	2.5 V
Maximum excitation voltage	6 V
Insulation resistance (DC 50 V)	1000 MΩ or more
Cable	φ3 4-conductor shield cable 3 m Cable end: 5 wires
Load cell material	Stainless steel
RoHS directives	2011/65/EU (EU)2015/863

Wiring diagram



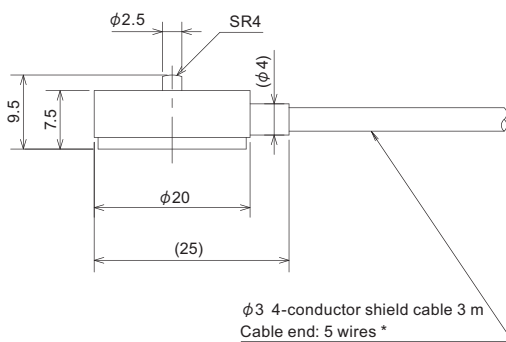
UNLRS-FG

With fastening plate

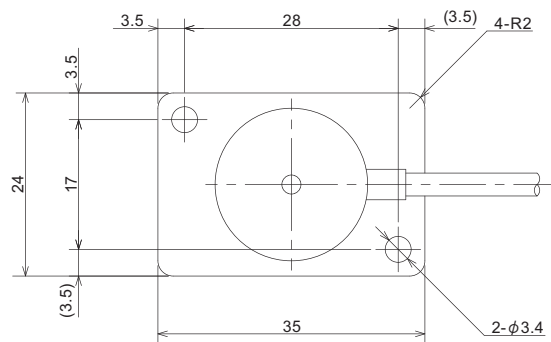


External dimension

■ UNLRS

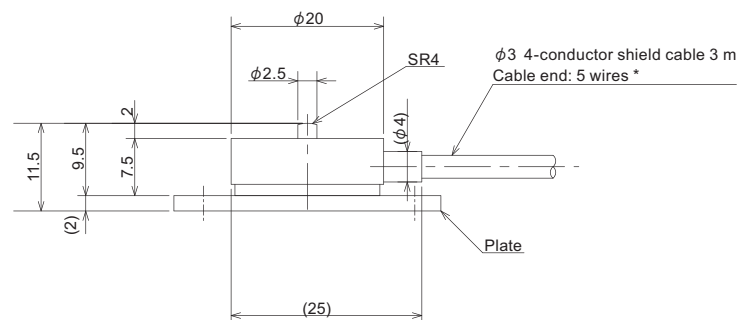


■ UNLRS-FG



Model	Deflection at rated	Natural frequency	Weight
UNLRS-100N	0.01 mm	21 kHz	5 g
UNLRS-100N-FG			18 g
UNLRS-200N	0.01 mm	25 kHz	5 g
UNLRS-200N-FG			18 g

* Connector can be attached to the cable according to your requests.



Unit: mm