Conductive Plastic Linear Sensor (Cable Pot)

MIDORI CP-45F-50LS

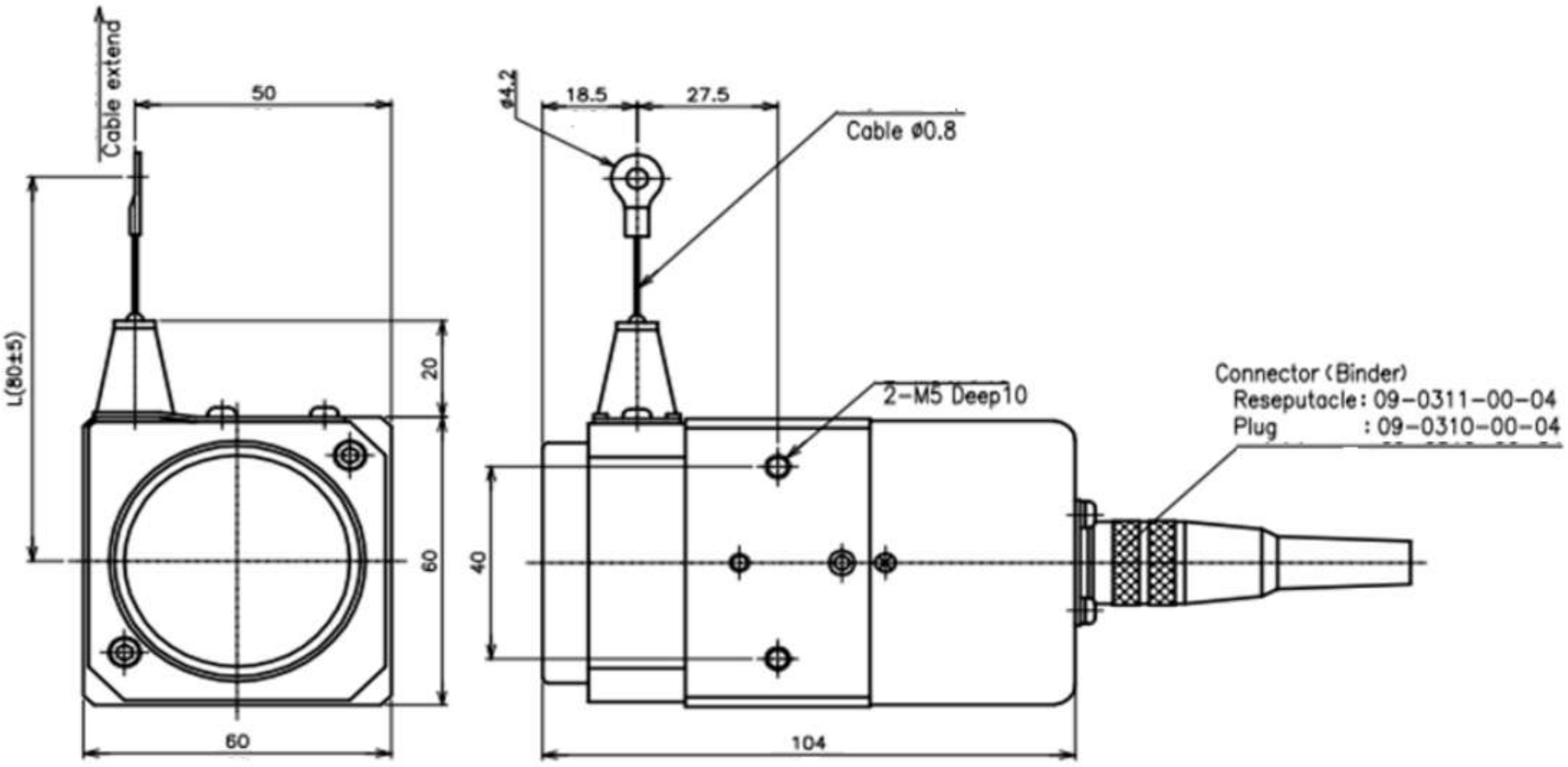
General

- Wire Extension Type Conductive Plastic Linear Sensor
- Effective Electrical Travel: 610mm
- Independent Linearity: ±0.1%

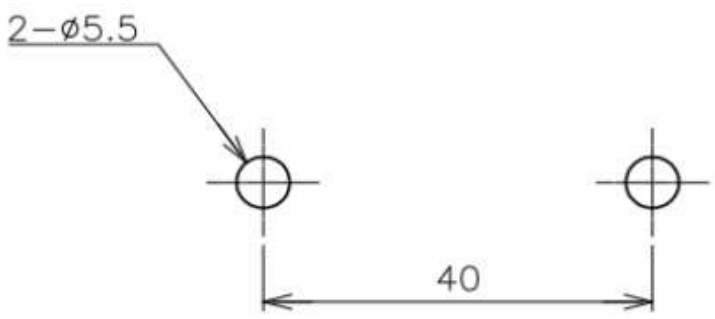
Material

- Housing: Aluminum
- Cable : Stainless Steel

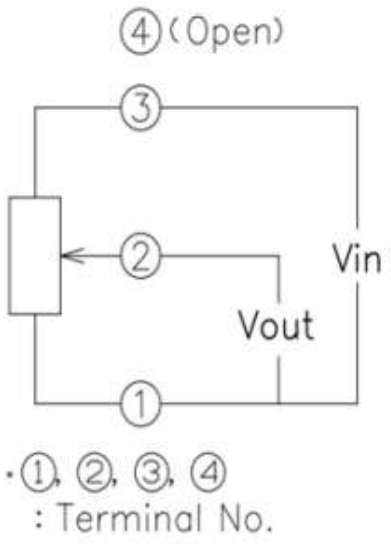
Dimension (mm)



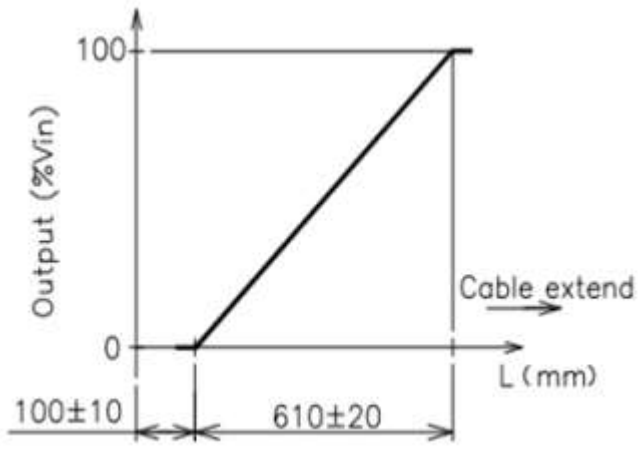
Mounting(mm)



Schematic



Output Characteristics



Specifications

Electrical Specifications

Effective Electrical Travel	610mm
Total Resistance	1K, 2K, 5K, 10K Ω
Total Resistance Tolerance	±15%
Independent Linearity	±0.1%
Rated Dissipation	3W/ 70℃
Output Smoothness	0.1% MAX.
Insulation Resistance	100MΩMIN./DC1000V
Dielectric Strength	AC1000V/ 1Minute
TC of Resistance	±400ppm/K

Mechanical Specifications

Wire Tension	8N MAX.
Tracking	1m/S MAX.
Weight	Approx. 650g
Backlash	0.25% MAX.

Environmental Specifications

Category Temp. Range	-5~+60℃
Storage Temp. Range	-5~+60℃

Accessories

Connector Plug: BINDER Parts#09-0310-00-04 (Matching cable outer dimension Φ8mm)

Handling Instruction

- **To avoid burnout of resistive element, do not supply more than 1mA current to terminal 2.**
- **Miswiring might cause burnout of resistive element.**
- **To reduce sliding noise, add load resistance should be more than 100times and less than 1000times of total resistance.**
- **Slight continuous vibration such as dither might cause short lifetime of the sensor.**
- **Do not pull cable over beyond the red mark on the cable.**
- **Do not retracted the cable freely.**
- **Particle bending of cable might be cause deformation of cable.**
- **Please be instructed water proofing of the connector from connector maker.**