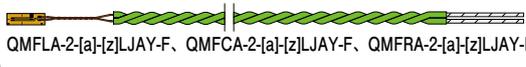
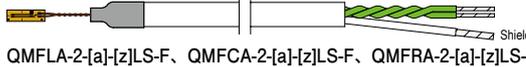
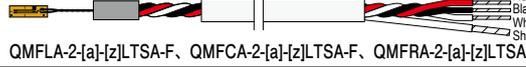
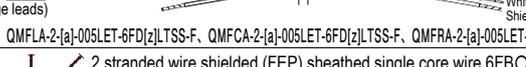
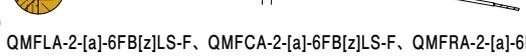




Dedicated leadwire recommended for QMF/MF series strain gauges

We supply various leadwires dedicated to strain gauges so as to meet our customers' requirements. Please refer to page 32 to 40 for the details of combination of a strain gauge and a leadwire.

Type and designation of leadwires

Application	Leadwire name	Operating temperature range of leadwire (°C)	Loop resistance per 1 meter (Ω)	Example of type number
Magnetic field Room temperature (without temperature change)	2-wire twisted vinyl leadwire LJAY-F  QMFLA-2-[a]-[z]LJAY-F, QMFCA-2-[a]-[z]LJAY-F, QMFRA-2-[a]-[z]LJAY-F	-20 ~+80	0.44	QMFLA-2-11-1LJAY-F QMFCFA-2-11-1LJAY-F QMFRA-2-11-1LJAY-F MFLA-60-350-11-1LJAY
Magnetic field Room temperature	3.2mm-dia. 2-core shielded vinyl leadwire LS-F  QMFLA-2-[a]-[z]LS-F, QMFCA-2-[a]-[z]LS-F, QMFRA-2-[a]-[z]LS-F	-20 ~+80	0.44	QMFLA-2-11-1LS-F QMFCFA-2-11-1LS-F QMFRA-2-11-1LS-F MFLA-60-350-11-1LS
Magnetic field Room temperature	3mm-dia. 3-core shielded vinyl leadwire LTSA-F  QMFLA-2-[a]-[z]LTSA-F, QMFCA-2-[a]-[z]LTSA-F, QMFRA-2-[a]-[z]LTSA-F	-20 ~+80	0.44	QMFLA-2-11-1LTSA-F QMFCFA-2-11-1LTSA-F QMFRA-2-11-1LTSA-F
Magnetic field High temperature	1.5mm-dia. 3-core shielded fluorinated resin (FEP) leadwire 6FDOLTS-F  QMFLA-2-[a]-6FD[z]LTS-F, QMFCA-2-[a]-6FD[z]LTS-F, QMFRA-2-[a]-6FD[z]LTS-F	-30 ~+200	1.1	QMFLA-2-11-6FD1LTS-F QMFCFA-2-11-6FD1LTS-F QMFRA-2-11-6FD1LTS-F
Magnetic field Room temperature (with 3-wire from the root of gauge leads)	3mm-dia. 3-core shielded vinyl leadwire LTSAS-F  QMFLA-2-[a]-005LET-[z]LTSAS-F, QMFCA-2-[a]-005LET-[z]LTSAS-F, QMFRA-2-[a]-005LET-[z]LTSAS-F	-20 ~+80	0.44	QMFLA-2-11-005LET-1LTSAS-F QMFCFA-2-11-005LET-1LTSAS-F QMFRA-2-11-005LET-1LTSAS-F
Magnetic field High temperature (with 3-wire from the root of gauge leads)	1.5mm-dia. 3-core shielded fluorinated resin (FEP) leadwire 6FDOLTSS-F  QMFLA-2-[a]-005LET-6FD[z]LTSS-F, QMFCA-2-[a]-005LET-6FD[z]LTSS-F, QMFRA-2-[a]-005LET-6FD[z]LTSS-F	-30 ~+200	1.1	QMFLA-2-11-005LET-6FD1LTSS-F QMFCFA-2-11-005LET-6FD1LTSS-F QMFRA-2-11-005LET-6FD1LTSS-F
Magnetic field High temperature (with no temperature change)	2 stranded wire shielded (FEP) sheathed single core wire 6FBOLS-F  QMFLA-2-[a]-6FB[z]LS-F, QMFCA-2-[a]-6FB[z]LS-F, QMFRA-2-[a]-6FB[z]LS-F	-30 ~+200	1.05	QMFLA-2-11-6FB1LS-F QMFCFA-2-11-6FB1LS-F QMFRA-2-11-6FB1LS-F

[a] : Objective material for temperature compensation (coefficient of linear thermal expansion × 10⁻⁶/°C)
[z] : Leadwire length (m)

Non-inductive Strain Gauges MF series (For Concrete)

These are non-inductive strain gauges suited to the measurement in magnetic field. The sensing element of this gauge consists of two identical grids with one grid folded back on another. This construction makes to cancel the electromagnetically induced noise each other. The twisted leadwire is also effective to cancel the induced noise in the same way. Accordingly, this strain gauge is less sensitive to the influence of noise induced in changing magnetic field.

Operating temperature range -20~+80°C	Applicable adhesives CN -20~+80°C CN-E -20~+80°C RP-2 -20~+80°C
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Please specify the type number as shown in the example below.

MFLA-60-350-11-1LJAY

- ↑ Gauge series name
- ↑ Gauge length
- ↑ Gauge resistance (blank for 120Ω)
- ↑ Objective material for temperature compensation
- ↑ Length in meter and type of integral leadwire

Objective material for temperature compensation (coefficient of linear thermal expansion ×10⁻⁶/°C)
-11: Mild steel ■

Single axis (for concrete)

Gauge pattern	Type	Gauge size(mm)		Backing size(mm)		Resistance Ω
		Length	Width	Length	Width	
	MFLA-60-350	60	0.1	64	5	350

●Single axis (for concrete)


MFLA-60-350-11-1LJAY Used leadwire 0.08mm² twisted vinyl leadwire 1 m
Loop resistance per 1 m: 0.44Ω


MFLA-60-350-11-1LS (Shielded leadwire)
Used leadwire 3.2 mm dia. 2-core twisted shielded vinyl leadwire 1 m
Loop resistance per 1 m: 0.44Ω

Minimum order quantity is 10 strain gauges.