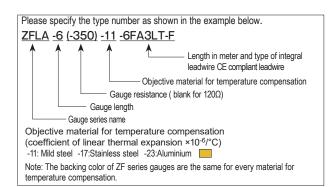


These strain gauges are designed for measurement in high temperature up to 300°C. It utilizes specially designed Ni-Cr alloy foil for the grid and polyimide resin for the gauge backing. Owing to the construction, the strain gauges are successfully used for measurement in high temperature.

Operating temperature range $-20\sim+300\degree\text{C}$ Applicable adhesives NP-50B $-20\sim+300\degree\text{C}$ Temperature compensation range $+10\sim+100\degree\text{C}$ CN $-20\sim+120\degree\text{C}$



Gauge pattern	Туре	Gauge size(mm) Length Width		Backing size(mm) Length Width		Resist- ance Ω	
Single axis							
Backing length Gauge	Single axis	ZFLK-2	2	0.5	5.4	1.4	120
length ★		ZFLA-1	1	1.8	7	3	120
width width width		ZFLA-3	3	1.8	10.5	3.5	120
<u>a</u> 1 0 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		ZFLA-6	6	2.5	15.5	4.5	120
●0° /90° 2-axis Plane type	ZFLA-3-60	3	0.7	7.7	2.6	60	
		ZFLA-1-350	1	1.7	6.6	3.2	350
		ZFLA-3-350	3	3.1	10.2	5.2	350
▼		ZFLA-6-350	6	2.8	16	5.3	350
2	0°/90° 2-axis	ZFCA-1-350	1	1.7	8.5	8.5	350
ZFCA-1-350 Q (×3)	Plane type	ZFCA-3-350	3	1.4	10.5	10.5	350
●0° /45° /90° 3-axis Plane type	Stacked type	ZFCAL-1	1	1.1	Ф5.4		120
	0°/45°/90° 3-axis Plane type	ZFRA-1-350	1	1.7	8.5	8.5	350
		ZFRA-3-350	3	1.4	10.5	10.5	350
ZEDA 1 250 Q (V2)	Stacked type	ZFRAL-1	1	1.1	Ф	5.4	120
I ZFRA-1-350 Q (×3) Minimum order quantity is 10 strain gauges.							

Dedicated leadwire recommended for ZF 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. For CE marked strain gauges, only the leadwires using lead-free solder are available.

Type and designation of leadwires

High temperature 3-wire twisted fluorinated resin (FEP) leadwire 6FA 3-wire twisted fluorinated resin (FEP) single-core leadwire 6FB 3-wire twisted fluorinated resin (FEP) single-core leadwire	Usage		Leadwire name	Operating temperature range of leadwire (°C)	Type number example
3-wire twisted fluorinated resin (PTFE) leadwire 4FA $_{\odot}$ LTF = 269 $_{\sim}$ +260 ZFLA-3-350-11-4FA3LT-F	,	, ,	-269~+200		
3-wire twisted indominated resin (Fire) single-core leadwile 4FB [Li-F 10 short term use, 4500 C is available.		, ,			

NB: □ shows the lead wire length in meter