IIGH TEMPERA	Operating temperature range								
TRAIN GAUGE	3	 (e	Temperature			range +100°C		+300°0	
Suffix code for temperature compensation materials -11: Mild steel -17: Stainless steel -23: Aluminium			Applicable adh	0	NP-50		-20 ~ +3	300°C	
Backing colors are all the same with different materials For ordering, bove suffix code should be added to the basic gauge type.			••					~ +200°C	
					CN	-	-20 ~ +	120°C	
HIGH TEMPERATURE	USE			•				Desist	
Gauge pattern		Ва	asic type	Gauge L	W	Bacl L	king W	Resist ance (
These strain gauges are designed emperature up to 300°C. It utilize alloy foil for the grid and polyimide r Dwing to the construction, the stra used for measurement in high temp	es specially designed Ni-Cr resin for the gauge backing. in gauges are successfully	N meta	L Ceramic						
Single element : ZFLA			Each package contains 10 gauges.						
Gauge backing length			(-2-11	2	0.5	5.4	1.4	120	
Gauge		ZFLA	-1-11	1	1.8	7	3	120	
		ZFLA	-3-11	3	1.8	10.5	3.5	120	
			-6-11	6	2.5	15.5	4.5	120	
			-3-60-11	3	0.7	7.7	2.6	60	
widthg			-1-350-11	1	1.7	6.6	3.2	350	
			-3-350-11	3	3.2	10.2	5.2	350	
0°/90° 2-element Rosette Plane : ZFCA			ZFLA-6-350-11 6 2.8 16 5.3					350	
Stacked : ZFCAL			Each package contains 10 gauges.						
			type						
	ZFCA-1-350-11	ZFCA	A-1-350-11	1	1.7	8.5	8.5	350	
			ZFCA-3-350-11		1.4	10.5	10.5	350	
			Stacked type						
			ZFCAL-1-11		1 1.1		φ 5.4		
1 ZFCA-1-350-11 (x 3)								
0°/45°/90° 3-element Rosette Plane : ZFRA Stacked : ZFRAL			Each package contains 10 gauges.						
			Plane type						
			уре \-1-350-11	1	1.7	8.5	8.5	350	
1 × ·	ZFRA-1-350-11		A-3-350-11	3	1.4	10.5	10.5	350	
ZFRA-1-350-11			Stacked type					000	
(x 3) ZFRAL-1-11			AL-1-11	1	1.1	φ 5	4	120	
		K/	N⊑* -		1.1	φο	.+	120	
Recommendable integral lead	dwire for ZF series								
Application	Leadwires	Operating temperature (°C) Lea	Leadwire code exampled				
	3-wire twisted FEP 6FA_LT-F (No Tetra-Etch required for surface) 3-wire twisted FEP 6FB LT-F		-269~ +200	ZFLA-3-350-11-6FA3LT-F ZFLA-3-350-11-6FB3LT-F					
High temperature			-269~ +260					-	

3-wire twisted PTFE 4FA_LT-F 3-wire twisted PTFE 4FB_LT-F 3-wire twisted PTFE 4FB_LT-F 3-wire twisted PTFE 4FB_LT-F 3-wire twisted PTFE 4FB_LT-F

Example of type number designation. <u>ZFLA-6</u> <u>-11</u> <u>4FA-3LT-F</u> (3-wire)

Basic strain gauge type

Length in meter and type of integral

leadwire (*1) CE compliant Self-temperature-compensation number (*2)

*1: Not mentioned for gauges without integral leadwire.

*2: ZF-series gauges are available for self-temperaturecompensation with -11 (Mild steel of 11ppm/°C)

For the following numbers, contact TML. -17: Stainless steel, Copper alloy (17ppm/°C)

-23: Aluminium (23ppm/°C)