

Thermocouple

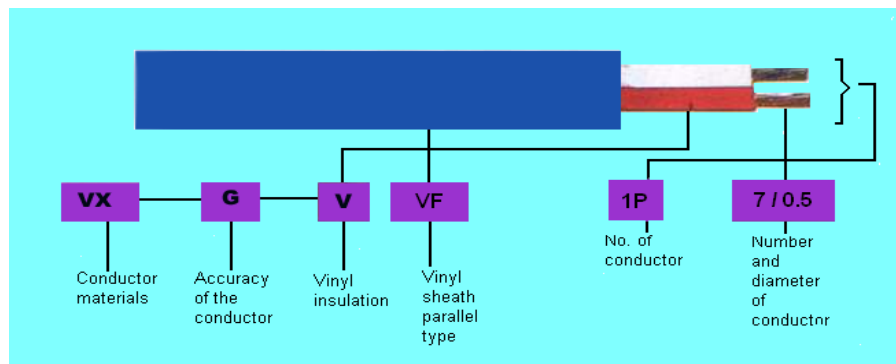
(Temperature monitoring)


Purpose

To monitor the temperature development in thick-sectioned and mass concrete.

Application

Temperature monitoring of the thick-sectioned and mass concrete.



CHARACTERISTICS TABLE FOR THERMOCOUPLE WIRES									
Kind & classes of thermocouple extension wires			Symbols and materials for thermocouples	Temp. Limits		Return Electric Resistance (Ω/m)	Color Identification	Materials of extension	
Symbols	Old symbols	Classification		Temp. Range (°C)	Limits of error (°C)			Positive (PX)	Negative (NX)
VX-G	WCA-G	Common class for General use	K Chromel / Alumel	-20~100	±2.5	0.8		Copper	Constantan (FNC-12)

TEMPERATURE SETTING AND CONDITIONS						
Standards	Name	Limits of error	-20°C	50°C Oil bath	58.38°C Sodium acetate	100°C Water boiling
KS JIS	VX-G	±2.5	-777 ^{195.5}	2022 ^{1103.5}	2369±103.5	4095±103.5