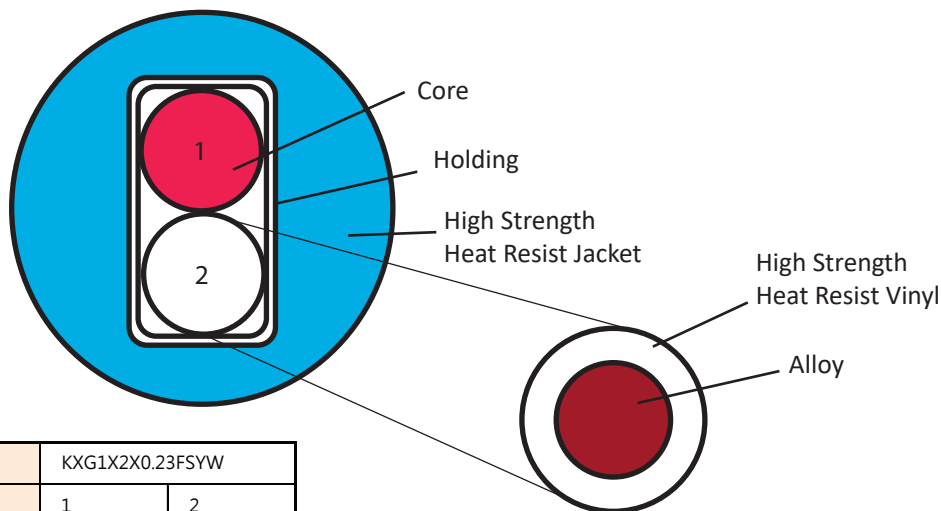


Thermocouple Compensation Conducting Wire for Moving Automations

The thermocouple compensation conducting wire is designed for connecting thermocouples to instruments in the case of temperature measurements. The cable is specially designed for increased requirements for moving application in the field of automations and robotic technology.



Part Number	KXG1X2X0.23FSYW	
Core Number	1	2
Identification	+ Red	- White

CABLE STRUCTURE		UNITS	VALUES AND STANDARDS	
Cable Dimensions		Pair	1	
Conductor	Materials	+ Leg	Alloy composed primarily of nickel and chromium 90% Ni - 10% Cr	
		- Leg	Alloy composed primarily of nickel 95% Ni + Al-Mn-Si	
	Nominal Cross Section		mm ²	0.23
	Constitution		no./mm	30 / 0.1
External Diameter		mm	0.6	
Insulation	Thickness		mm	0.4
	External Diameter		mm	1.4
	Materials			High Strength Heat Resist Vinyl
Circuit Structure			Twist Pairs	
Strength Bondage			Strength Over-wrap fiber binding	
Jacket	Thickness		mm	0.5
	External Diameter		mm	3.8 ± 0.3
	Materials			High Strength Heat Resist Vinyl

Note. 1: The core wires shall be discriminated by insulators colors as shown in the drawing above.

Note. 2: For finished circular cable, rough tape winding can be applied.

CHARACTERISTICS	UNITS	VALUES AND STANDARDS
Loop Resistance (20°C)	Ω / km	4.8 or under
Insulation Test Voltage (AC)	V / 5 min.	1000
Insulation Resistance (20°C)	MΩ / km	50 or more
Thermoelectromotive force at 100°C	μV	4096 ± 60

Note. 1: Above test shall be conducted by each item of JIS C 1610 and shall be passed for all necessary items.

Please Note:

All indications on this data sheet have been made to the best of our knowledge. They are only a non-binding advice and serve as a starting point for plannings. They do not release the user from own tests regarding the suitability of the desired application purposes. Processing and the use of the products cannot be controlled by us and are therefore exclusively in the user's field of responsibility. The design is subject to alteration if new realization will make it necessary.