

# PRODUCT INFO SHEET

Nanmac Corporation

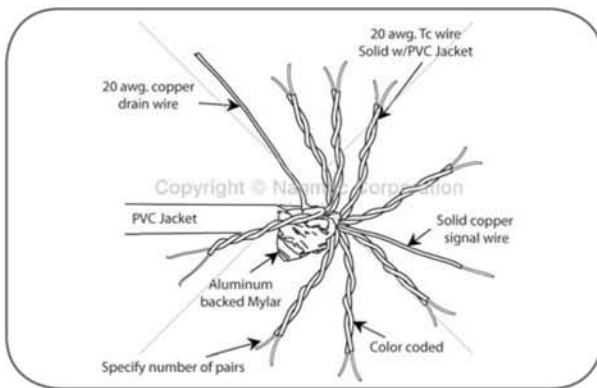
Quality • Performance • Solutions

## Multi-Pair Thermocouple Cable G10A Series

Multi-pair extension cables are available for thermocouple calibration types E, J, K, N & T. Each conductor is covered with a polyvinyl chloride (PVC) jacket having a nominal thickness of 0.015 inch. Pairs are individually twisted to reduce magnetic interference. The twisted pairs are cabled and then shielded with a 0.0015 inch thick aluminum-backed mylar tape and a #20 gage stranded copper drain wire to further minimize electromagnetic interference. The cable is then covered with an outer layer of PVC about 0.045 inch thick. A heavy, easy-strip nylon thread is included. Each cable also contains a polyvinyl-clad #20 gage copper wire for use as a signal connection. Cables are color coded on the individual conductors and overall. The individual pairs are marked for easy identification.

### NOTES:

- Temperature rating of this cable is based upon the limits of the PVC insulation. The continuous use limit of this cable is 176 degrees Fahrenheit (80 degrees Celsius).
- Volume discounts apply on quantities over 500 feet.
- All multi-pair cable is supplied to your specified length, plus/minus 10 percent.
- For special multi-pair cables with other calibrations, other insulations, metallic overbraid, etc. contact factory.
- Maximum continuous length is 300 feet. For longer lengths consult factory.



Specifications		
Number of Pairs	Overall Size (in.)	Shipping Weight (pounds per 1,000 feet)
4	0.390	85
8	0.480	130
12	0.590	200
16	0.650	245
20	0.730	285
24	0.770	340

Specifications		
Part No.	Thermocouple Calibration	Number of Pairs
G10A-1	Iron / Constantan Type JX	4
G10A-2		8
G10A-3		12
G10A-4		16
G10A-5		20
G10A-6		24
G10A-7	Chromel / Alumel Type KX	4
G10A-8		8
G10A-9		12
G10A-10		16
G10A-11		20
G10A-12		24
G10A-13	Copper / Constantan Type TX	4
G10A-14		8
G10A-15		12
G10A-16		16
G10A-17		20
G10A-18		24
G10A-19	Chromel / Constantan Type EX	4
G10A-20		8
G10A-21		12
G10A-22		16
G10A-23		20
G10A-24		24
G10A-90	NiCh / NiSi Type NX	4
G10A-91		8
G10A-92		12
G10A-93		16
G10A-94		20
G10A-95		24

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