

CT Single Pair PFA/PTFE (-75°C to +260°C)

A flexible, comparatively small diameter, high temperature insulation cable. Commonly used in laboratory, hygienic autoclave and steriliser applications, or where space is restricted.

- Temperature rated -75°C to +260°C
- Available in Thermocouple Extension Grades KX, JX, TX, NX, EX
- Available in Thermocouple Compensating Grade RCA
- Colour coded to IEC 60584.3 (BS EN 60584.3). ANSI MC96.1 colours available on request
- Very flexible and resistant to most known chemicals, fluids and oils

example order code	
Code / Conductor	Length
CT45TX	- 100mtr

Twisted Pair

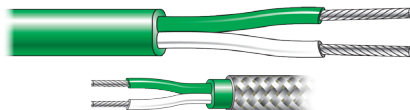
One pair of solid or stranded conductors. Each conductor is extruded PFA insulated. The pair is twisted together.



cable type	conductor size	dimensions (approximate)	profile	conductor type / colour code							order code	
				KX	KCB	JX	TX	NX	EX	RCA		
PFA Twisted Pair	1/0.2mm dia. (0.03mm ²)	2mm	Twisted	✓	✗	✓	✓	✓	✓	✓	✓	CT05
	1/0.315mm dia. (0.08mm ²)	2mm	Twisted	✓	✗	✓	✓	✓	✓	✓	✓	CT15
	7/0.2mm dia. (0.22mm ²)	2mm	Twisted	✓	✗	✓	✓	✓	✓	✓	✓	CT25

Flat Pair

One pair of solid or stranded conductors. Each conductor is extruded PFA insulated. The pair is laid flat and extruded PFA sheathed.



Also available with a Stainless Steel wire over-braid.

cable type	conductor size	dimensions (approximate)	profile	conductor type / colour code							order code	
				KX	KCB	JX	TX	NX	EX	RCA		
PFA Flat Pair	1/0.315mm dia. (0.08mm ²)	1mm x 2mm	Oval	✓	✗	✓	✓	✓	✓	✓	✓	CT30
	1/0.376mm dia. (0.11mm ²)	1.1mm x 1.8mm	Oval	✓	✗	✓	✓	✓	✓	✓	✓	CT33
	1/0.5mm dia. (0.20mm ²)	2mm x 2.5mm	Oval	✓	✗	✓	✓	✓	✓	✓	✓	CT35
	7/0.2mm dia. (0.22mm ²)	2mm x 3mm	Oval	✓	✗	✓	✓	✓	✓	✓	✓	CT45
	13/0.2mm dia. (0.44mm ²)	2mm x 3mm	Oval	✓	✗	✓	✓	✓	✓	✓	✓	CT55
PFA Flat Pair (Braided)	7/0.2mm dia. (0.22mm ²)	2.9mm x 2mm	Oval	✓	✗	✓	✓	✓	✓	✓	✓	CT45x/SSB

x = conductor type (e.g. CT45KX/SSB)

Twisted, Screened

One pair of stranded conductors. Each conductor is extruded PFA insulated. The pair is twisted together and screened with an aluminium bonded polyester tape, in contact throughout with a bare copper drain wire. Extruded PFA sheathed.



cable type	conductor size	dimensions (approximate)	profile	conductor type / colour code							order code	
				KX	KCB	JX	TX	NX	EX	RCA		
PFA Twisted, Screened	7/0.2mm dia. (0.22mm ²)	3mm	Round*	✓	✗	✓	✓	✓	✓	✓	✓	CT65
	13/0.2mm dia. (0.44mm ²)	3.5mm	Round*	✓	✗	✓	✓	✓	✓	✓	✓	CT75

* due to the cable construction, the profile may not be perfectly round

Single Shot (-75°C to +250°C)

One pair of solid 1/0.376mm dia. conductors. The wire is laid flat and PTFE extruded in a single shot construction. Provides a gas, steam and water-tight insulation.



cable type	conductor size	dimensions (approximate)	profile	conductor type / colour code							order code	
				KX	KCB	JX	TX	NX	EX	RCA		
PTFE Single Shot	1/0.376mm dia. (0.11mm ²)	2mm	Round	✓	✗	✓	✓	✗	✗	✗	✗	CT13