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.

example order code	
Code / Conductor	Length
CT45TX	**- 100mtr**

- 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

Twisted Pair

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

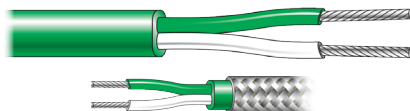| cable type	conductor size	dimensions (approximate)	profile	KX	KCB	JX	TX	NX	EX	RCA	order code
PFA Twisted Pair	1/0.2mm dia. (0.03mm²)	2mm	Twisted	✓	✗	✓	✓	✓	✓	✓	CT05
	1/0.315mm dia. (0.08mm²)	2mm	Twisted	✓	✗	✓	✓	✓	✓	✓	CT15
	7/0.2mm dia. (0.22mm²)	2mm	Twisted	✓	✗	✓	✓	✓	✓	✓	CT25

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	KX	KCB	JX	TX	NX	EX	RCA	order code
PFA Flat Pair	1/0.315mm dia. (0.08mm²)	1mm x 2mm	Oval	✓	✗	✓	✓	✓	✓	✓	CT30
	1/0.376mm dia. (0.11mm²)	1.1mm x 1.8mm	Oval	✓	✗	✓	✓	✓	✓	✓	CT33
	1/0.5mm dia. (0.20mm²)	2mm x 2.5mm	Oval	✓	✗	✓	✓	✓	✓	✓	CT35
	7/0.2mm dia. (0.22mm²)	2mm x 3mm	Oval	✓	✗	✓	✓	✓	✓	✓	CT45
	13/0.2mm dia. (0.44mm²)	2mm x 3mm	Oval	✓	✗	✓	✓	✓	✓	✓	CT55
PFA Flat Pair (Braided)	7/0.2mm dia. (0.22mm²)	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	KX	KCB	JX	TX	NX	EX	RCA	order code
PFA Twisted, Screened	7/0.2mm dia. (0.22mm²)	3mm	Round *	✓	✗	✓	✓	✓	✓	✓	CT65
	13/0.2mm dia. (0.44mm²)	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	KX	KCB	JX	TX	NX	EX	RCA	order code
PTFE Single Shot	1/0.376mm dia. (0.11mm²)	2mm	Round	✓	✗	✓	✓	✓	✗	✗	CT13