

## 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

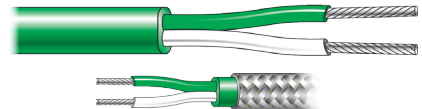
One pair of solid or stranded conductors. Each conductor is extruded PFA insulated. The pair is twisted together.



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 <sup>2</sup> )	2mm	Twisted	✓	x	✓	✓	✓	✓	✓	<b>CT05</b>
	1/0.315mm dia. (0.08mm <sup>2</sup> )	2mm	Twisted	✓	x	✓	✓	✓	✓	✓	<b>CT15</b>
	7/0.2mm dia. (0.22mm <sup>2</sup> )	2mm	Twisted	✓	x	✓	✓	✓	✓	✓	<b>CT25</b>

## 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 <sup>2</sup> )	1mm x 2mm	Oval	✓	x	✓	✓	✓	✓	✓	<b>CT30</b>
	1/0.5mm dia. (0.20mm <sup>2</sup> )	2mm x 2.5mm	Oval	✓	x	✓	✓	✓	✓	✓	<b>CT35</b>
	7/0.2mm dia. (0.22mm <sup>2</sup> )	2mm x 3mm	Oval	✓	x	✓	✓	✓	✓	✓	<b>CT45</b>
	13/0.2mm dia. (0.44mm <sup>2</sup> )	2mm x 3mm	Oval	✓	x	✓	✓	✓	✓	✓	<b>CT55</b>
PFA Flat Pair (Braided)	7/0.2mm dia. (0.22mm <sup>2</sup> )	2.9mm x 2mm	Oval	✓	x	✓	✓	✓	✓	✓	<b>CT45x/SSB</b>

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 <sup>2</sup> )	3mm	Round *	✓	x	✓	✓	✓	✓	✓	<b>CT65</b>
	13/0.2mm dia. (0.44mm <sup>2</sup> )	3.5mm	Round *	✓	x	✓	✓	✓	✓	✓	<b>CT75</b>

\* 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 <sup>2</sup> )	2mm	Round	✓	x	✓	✓	x	x	x	<b>CT13</b>

