

## CQ Single Pair Heat Resistant (HR) and Flame Retardant (FR) PVC (-30°C to +105°C)

The most common and cost effective insulation material. Commonly used for general wiring and in applications where there may be an increased fire/flame risk.

- Temperature rated -30°C to +105°C
- Available in Thermocouple Extension Grades KX, JX, TX, NX, EX
- Available in Thermocouple Compensating Grades KCB, RCA
- Colour coded to IEC 60584.3 (BS EN 60584.3). ANSI MC96.1 colours available on request

example order code	
Code / Conductor	Length
CQ10KX	- 100mtr

### Ripcord 'Figure of 8' Cable

One pair of solid conductors. Each conductor is HR/FR PVC insulated. The pair is laid flat and the core insulation is welded together in a ripcord 'figure of 8' construction.



cable type	conductor size	dimensions (approximate)	profile	conductor type / colour code							order code	
				KX	KCB	JX	TX	NX	EX	RCA		
Ripcord 'Figure of Eight'	1/0.5mm dia. (0.2mm <sup>2</sup> )	1.7mm x 3.3mm	Fig. of 8	✓	✗	✓	✓	✗	✗	✗		CQ08

### Flat Twin

One pair of solid or stranded conductors. Each conductor is HR/FR PVC insulated. The pair is laid flat and sheathed with HR/FR PVC.



cable type	conductor size	dimensions (approximate)	profile	conductor type / colour code							order code	
				KX	KCB	JX	TX	NX	EX	RCA		
HR/FR PVC Flat Twin	7/0.2mm dia. (0.22mm <sup>2</sup> )	2.4mm x 3.8mm	Oval	✓	✓	✓	✓	✓	✓	✓		CQ10
	13/0.2mm dia. (0.44mm <sup>2</sup> )	2.5mm x 4.2mm	Oval	✓	✓	✓	✓	✓	✓	✓		CQ20
	23/0.2mm dia. (0.75mm <sup>2</sup> )	4mm x 6mm	Oval	✓	✓	✓	✓	✓	✓	✓		CQ30
	1/1.29mm dia. (1.3mm <sup>2</sup> )	4mm x 6mm	Oval	✓	✗	✓	✓	✓	✓	✓		CQ35

### Twisted

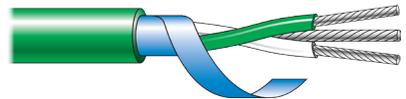
One pair of stranded conductors. Each conductor is HR/FR PVC insulated. The pair is twisted together. Sheathed with HR/FR PVC.



cable type	conductor size	dimensions (approximate)	profile	conductor type / colour code							order code	
				KX	KCB	JX	TX	NX	EX	RCA		
HR/FR PVC Twisted	7/0.2mm dia. (0.22mm <sup>2</sup> )	4mm	Round	✓	✓	✓	✓	✓	✓	✓		CQ07
	13/0.2mm dia. (0.44mm <sup>2</sup> )	5mm	Round	✓	✓	✓	✓	✓	✓	✓		CQ13

### Twisted, Screened

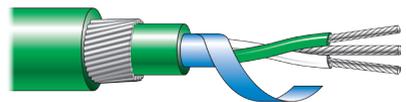
One pair of solid or stranded conductors. Each conductor is HR/FR PVC insulated. The pair is twisted together then screened with an aluminium bonded polyester tape, in contact throughout with a bare copper drain wire. Sheathed with HR/FR PVC.



cable type	conductor size	dimensions (approximate)	profile	conductor type / colour code							order code	
				KX	KCB	JX	TX	NX	EX	RCA		
HR/FR PVC Twisted, Screened	7/0.2mm dia. (0.22mm <sup>2</sup> )	4mm	Round	✓	✓	✓	✓	✓	✓	✓		CQ40
	13/0.2mm dia. (0.44mm <sup>2</sup> )	5mm	Round	✓	✓	✓	✓	✓	✓	✓		CQ50
	16/0.2mm dia. (0.5mm <sup>2</sup> )	5mm	Round	✓	✓	✓	✓	✓	✓	✓		CQ55
	23/0.2mm dia. (0.75mm <sup>2</sup> )	6mm	Round	✓	✓	✓	✓	✓	✓	✓		CQ60
	1/1.29mm dia. (1.3mm <sup>2</sup> )	6mm	Round	✓	✗	✓	✓	✓	✓	✓		CQ70

### Screened and Armoured

One pair of solid or stranded conductors. Each conductor is HR/FR PVC insulated. The pair is twisted together then screened with an aluminium bonded polyester tape, in contact throughout with a bare copper drain wire. HR/FR PVC bedded, steel wire armoured and sheathed with HR/FR PVC.



cable type	conductor size	dimensions (approximate)	profile	conductor type / colour code							order code	
				KX	KCB	JX	TX	NX	EX	RCA		
HR/FR PVC Screened and Armoured	16/0.2mm dia. (0.5mm <sup>2</sup> )	10mm	Round	✓	✓	✓	✓	✓	✓	✓		CQ75
	23/0.2mm dia. (0.75mm <sup>2</sup> )	11.5mm	Round	✓	✓	✓	✓	✓	✓	✓		CQ85
	1/1.29mm dia. (1.3mm <sup>2</sup> )	11.5mm	Round	✓	✗	✓	✓	✓	✓	✓		CQ90