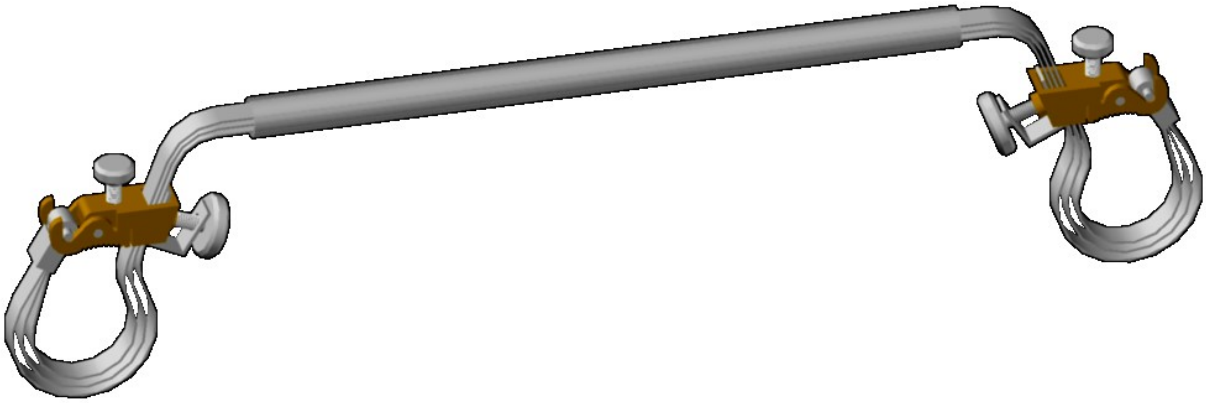
TCC Connectors



Principle Application:

Temporary continuity connectors for Metallic Cable Armour or Sheathing.

The Sicame range of temporary continuity connectors has been developed over many years in co-operation with the United Kingdom electrical distribution industry. The connectors are designed to afford protection to personnel by maintaining electrical continuity across breaks in metallic armour and sheathing during jointing or repair operations on underground distribution cables.

They consist of cross bonds of flexible tinned copper braid which are connected to the armour or sheath by special clamps. The braid has a primary insulation of clear polythene tubing and certain connector designs have an adjustable secondary insulation in the form of a sliding outer sleeve.

The range of connectors covers the requirements of a wide variety of joint configurations, and the necessary cross-sectional area of the bond to meet anticipated fault levels is achieved by means of permutations of tinned copper braids, the basic product having a cross-sectional area of 22mm² (2 x 11mm² CSA).

Please note that the above product range has been successfully tested to a short circuit withstand of 6KA @ 1 SEC (Test Certificate N°: T04/261/GH)

The following table, set out in joint configuration groups, gives outline specifications to the full range of standard connectors. Schematic diagrams to give dimensions, and sketches to illustrate the layout of each connector, appear overleaf. Specialised connectors can be made to order, and lengths varied to suit individual requirements.

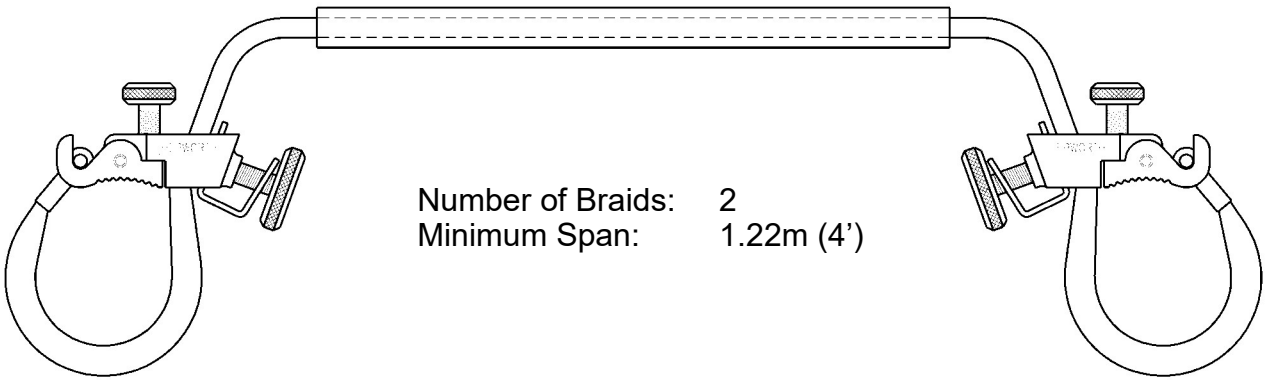
Connectors from this range can be adapted for use on gas and water pipes. These are covered by separate data-sheets in Section 5 together with alternative connectors designed for other applications peculiar to these services.

TCC Connectors

	Type *(Part Number)*	N° of Braids	Secondary Insulation	Primary Insulation O/A (Min. Span)	Length O/A
Straight-through Joints (Two-Way connectors)	TCC/C *(52484-65)*	2		1.22m	1.83m
	TCC/D *(52484-89)*	2	*	1.22m	1.83m
	TCC/E *(52481-65)*	3		1.22m	1.83m
Breech Joint (Three-Way connectors)	TCC/G *(52484-66)*	2		1.37m	1.98m
Tee Joints (Three-Way connectors)	TCC/K *(52481-76)*	2		2.44m	3.05m
	TCC/M *(52484-75)*	3	*	2.44m	3.05m
Double Breech Joints (Four-Way connectors)	TCC/T *(52481-69)*	2		1.37m	1.98m

Straight-Through Joint (Two-Way connectors)

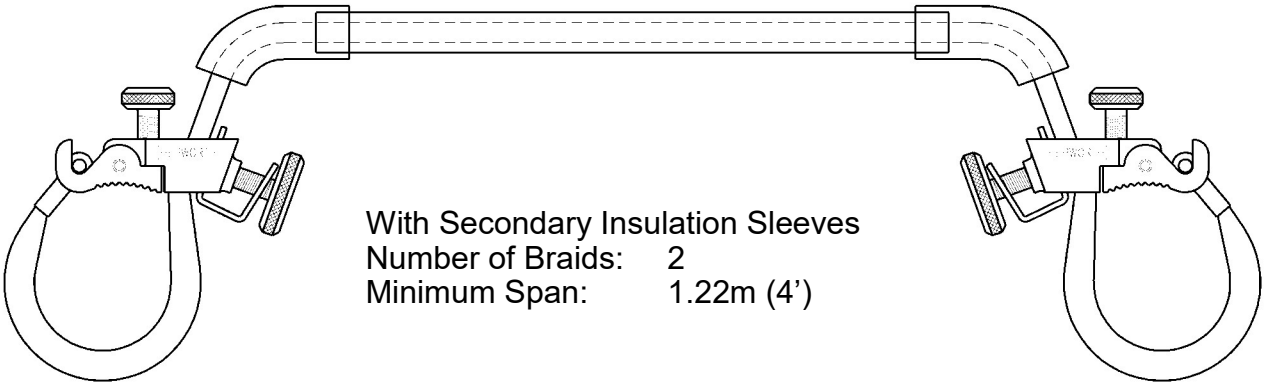
TCC/C



Number of Braids: 2
Minimum Span: 1.22m (4')

Straight-Through Joint (Two-Way connectors)

TCC/D

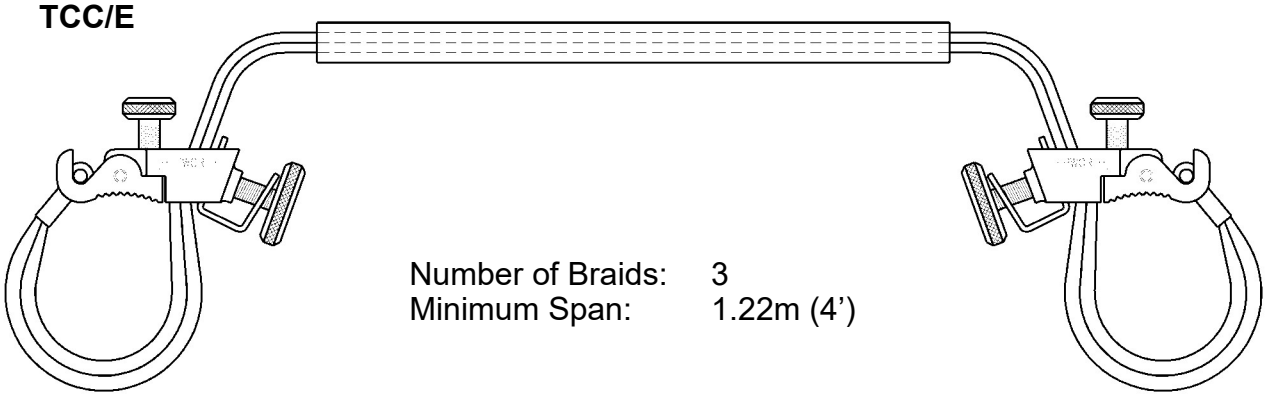


With Secondary Insulation Sleeves
Number of Braids: 2
Minimum Span: 1.22m (4')

TCC Connectors

Straight-Through Joint (Two-Way connectors)

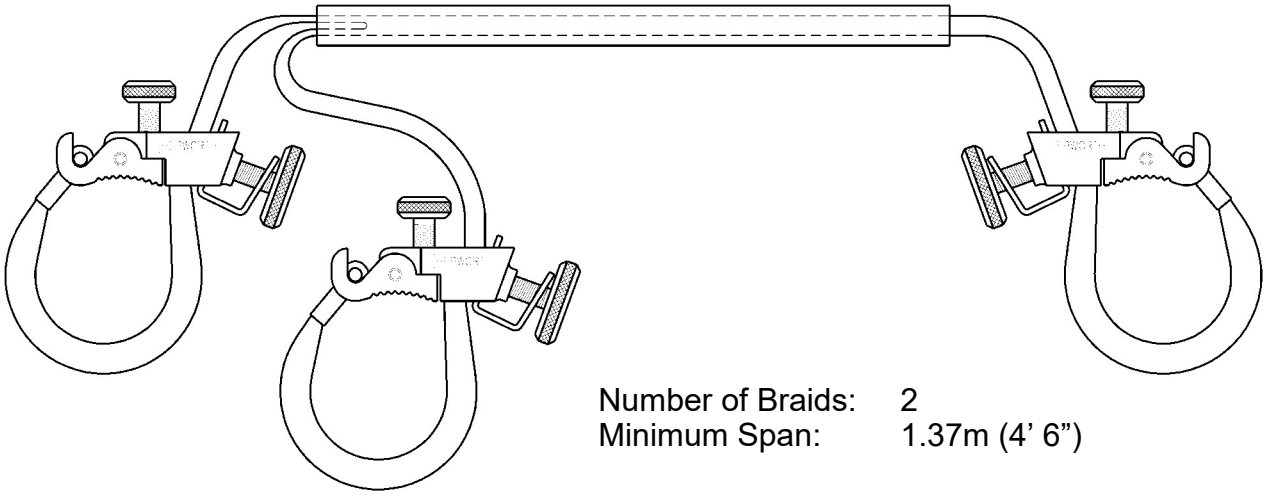
TCC/E



Number of Braids: 3
Minimum Span: 1.22m (4')

Breech Joint (Three-Way connectors)

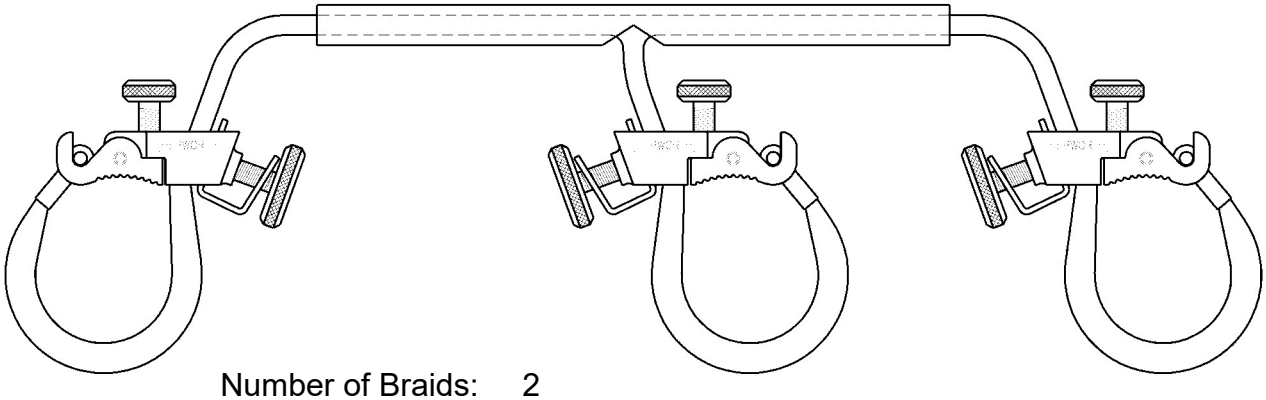
TCC/G



Number of Braids: 2
Minimum Span: 1.37m (4' 6")

Tee Joint (Three-Way connectors)

TCC/K

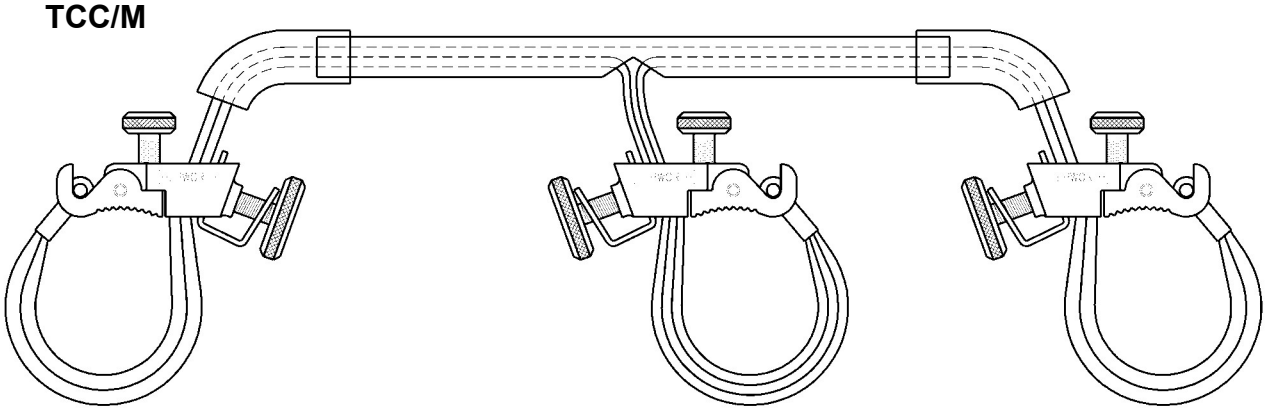


Number of Braids: 2
Minimum Span: 2.44m (8')

TCC Connectors

Tee Joint (Three-Way connectors)

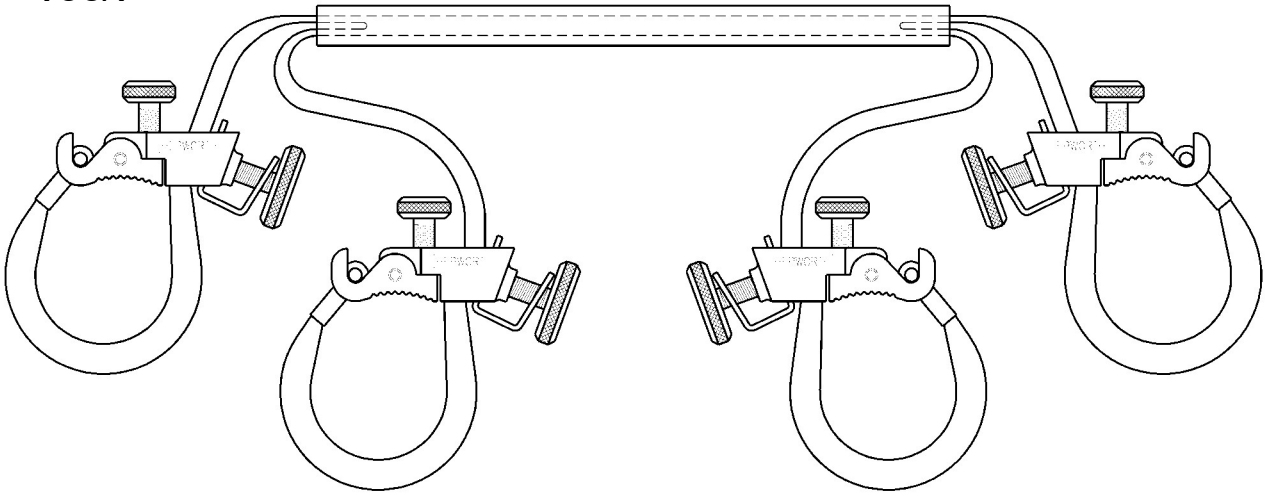
TCC/M



With Secondary Insulation Sleeves
Number of Braids: 3
Minimum Span: 2.44m (8’)

Double Breech Joint (Four-Way connectors)

TCC/T



Number of Braids: 2
Minimum Span: 1.37m (4’ 6”)