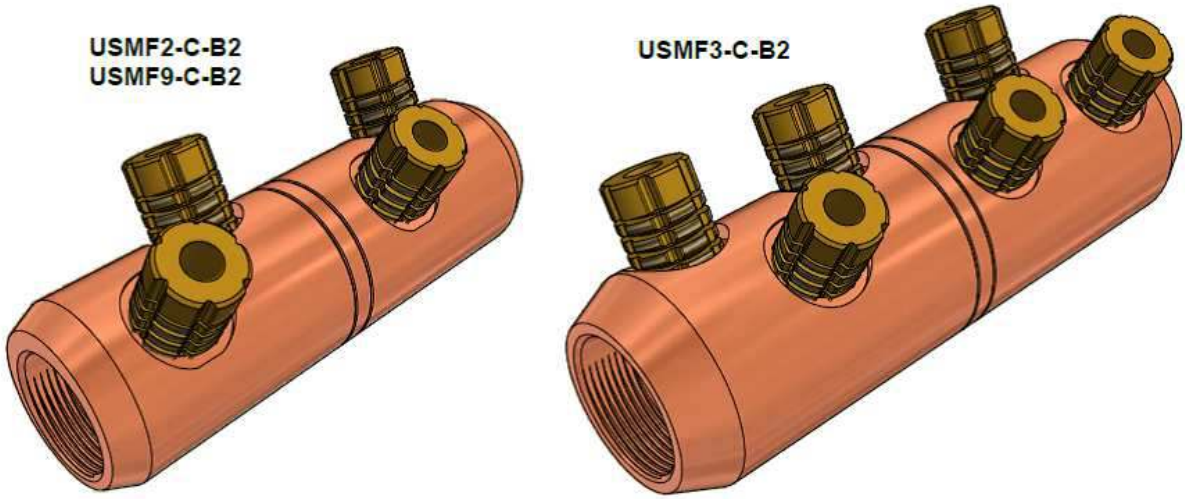
'USMF...-C-B2' Copper In-Line Splices



Principle Application:

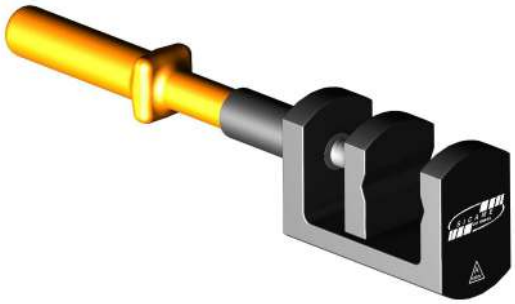
Straight jointing of circular stranded copper conductors.

Range:

Connector Reference	Stranded Core Size			
	Min	Max	Min	Max
USMF2-C-B2	2/0 AWG (67mm²)	500 kcmil (253mm²)	2/0 AWG (67mm²)	500 kcmil (253mm²)
USMF9-C-B2	350 kcmil (177mm²)	750 kcmil (380mm²)	350 kcmil (177mm²)	750 kcmil (380mm²)
USMF3-C-B2	500 kcmil (253mm²)	1000 kcmil (507mm²)	500 kcmil (253mm²)	1000 kcmil (507mm²

The **'USMF...-C-B2'** range of mechanical connectors incorporate an integral moisture/contaminant block and utilise the patented universal range taking shear bolts. (USA Patent No's 6209424 & 6321624)

The appropriate tooling is to be used at all times, typical examples shown below.



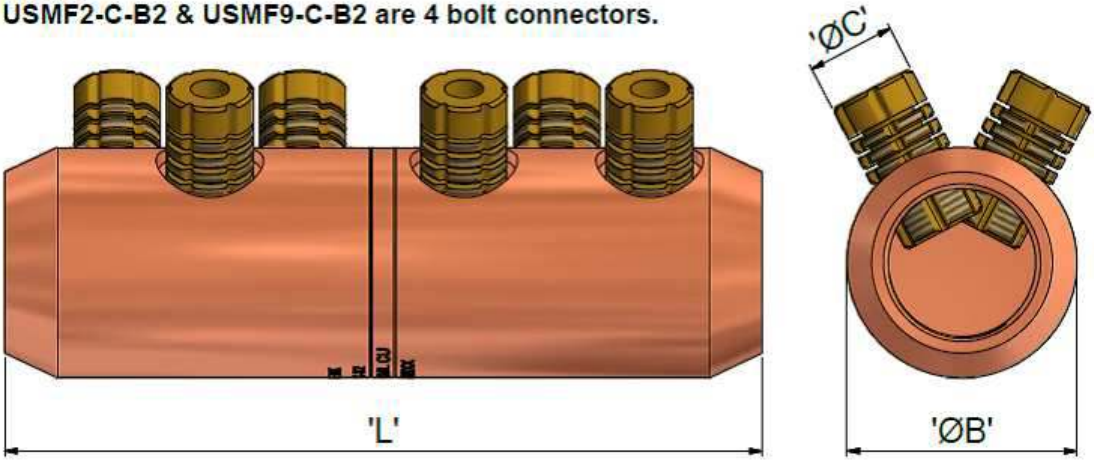
'JTS/22 BR ' Holding Tool

'JTS/27' ½" sq Driver

Mechanical In-Line Splice
with Moisture/Contaminant
Block for Medium/High
Voltage Applications

'USMF...-C-B2' Copper In-Line Splices

NOTE:
USMF2-C-B2 & USMF9-C-B2 are 4 bolt connectors.



Connector Reference	Dimensions		
	'L'	'ØB'	'ØC'
USMF2-C-B2	4.37" (111mm)	1.34" (34mm)	M18 x 4
USMF9-C-B2	5" (127mm)	1.57" (40mm)	M18 x 4
USMF3-C-B2	6.10" (155mm)	1.85" (47mm)	M18 x 6

Material:

Connector = HC Copper
Screws = Brass

Test Specification:

Ten Severe Heat Cycle Test - E0-5407-2 (Nov. 1985)
Thermal Load Cycling - ANSI C119.4 (2004) Clause 6 : Class A
Mechanical Tensile Strength - ANSI C119.4 (2004) Class 3
Test Method for Bending Cold Shrink Splices

Test Report No: 1202020-1

Fitting instructions:

1. Strip insulation from each core equal to the depth of the bore.
2. Wire brush the exposed conductor cores and wipe clean.
3. Align and position the conductor cores in each of the bores ensuring that the core is fully inserted to the centre wall.
4. Fit the universal shear screws within the connector and torque tighten one turn at a time, using the 'JTS/27' tool, until the bolts have sheared.

Removal of Shear Screws:

1. To remove a fully sheared universal shear screw use a 'long reach' 1/4" AF allen key.
2. Fully insert the short arm into the centre of the shear screw and turn anti-clockwise.

Important: *Do not re-use the shear screws once removed.*