

Ridgeline Flexible Connectors – Data Sheet

Description

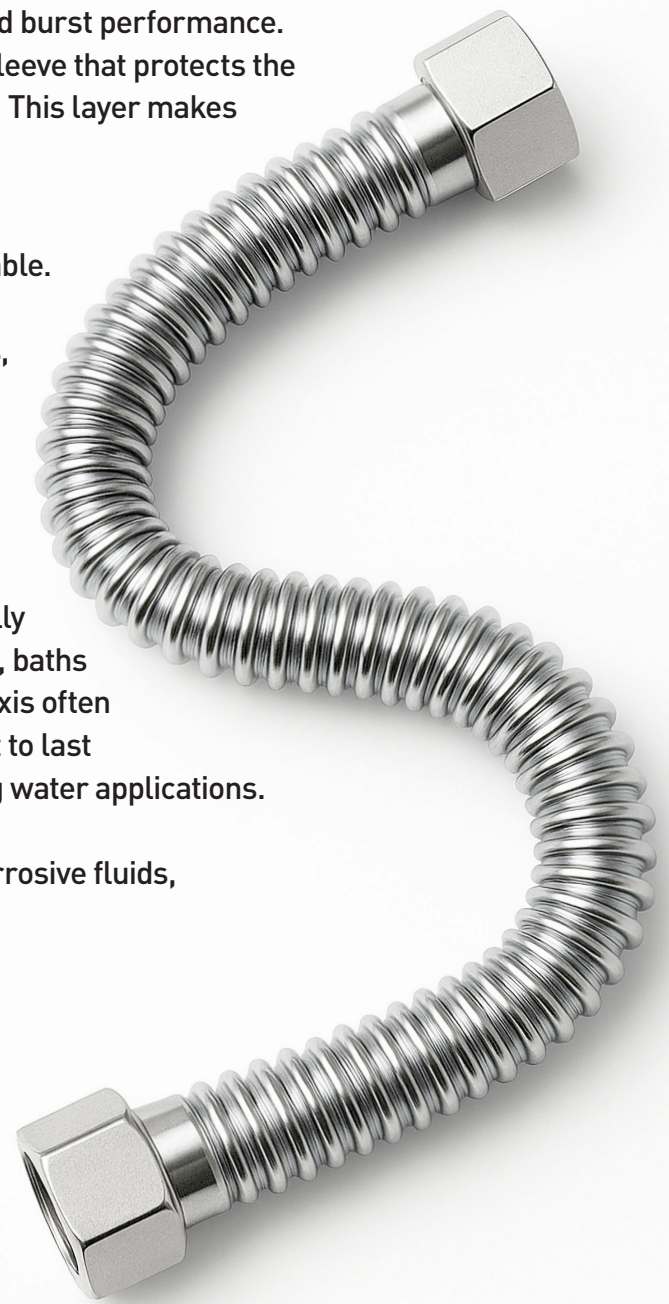
Ridgeline Flexible Connectors are premium corrugated stainless steel flexible connectors engineered for all plumbing applications, including drinking water. Each connector assembly comprises:

Core Construction:

- **Primary Layer:** Marine-grade 316L stainless steel with engineered corrugations that provide maximum flexibility while delivering superior crush and burst performance.
- **Protective Layer:** High-grade polyethylene (PE) outer sleeve that protects the stainless steel from cleaning materials such as bleach. This layer makes no contact with drinking water.

Connection System and Lengths:

- **End connections:** A range of end connections are available. Male, Female, M8, M10 and copper compression.
- **Lengths:** 300mm and 500mm are our standard lengths, custom lengths are also available.



Usage Case

Ridgeline Flexible Connectors are designed to replace traditional rubber-lined/braided flexible connectors, typically used for drinking water applications (such as taps, showers, baths washing machines, water heaters, etc). While traditional flexis often degrade and fail within 5-10 years, Ridgeline Flexis are built to last the lifetime of the installation where being used for drinking water applications.

For industrial applications with specific requirements or corrosive fluids, please contact us for specialist advice.

Codes and sizes

	Code	Description	End 1	End 2	Length
Copper comp. to Female	FC-CC15-12-300	CC: 15mm Copper Compression x 1/2" BSP Female - 300mm	15mm	1/2" Female	300 mm
	FC-CC15-12-500	CC: 15mm Copper Compression x 1/2" BSP Female - 500mm	15mm	1/2" Female	500 mm
	FC-CC15-34-300	CC: 15mm Copper Compression x 3/4" BSP Female - 300mm	15mm	3/4" Female	300 mm
	FC-CC15-34-500	CC: 15mm Copper Compression x 3/4" BSP Female - 500mm	15mm	3/4" Female	500 mm
	FC-CC22-34-300	CC: 22mm Copper Compression x 3/4" BSP Female - 300mm	22mm	3/4" Female	300 mm
	FC-CC22-34-500	CC: 22mm Copper Compression x 3/4" BSP Female - 500mm	22mm	3/4" Female	500 mm
ISO 15	FC-ISO15-12-300	ISO: 15mm ISO x 1/2" BSP Female - 300mm	15mm ISO	1/2" Female	300 mm
	FC-ISO15-12-500	ISO: 15mm ISO x 1/2" BSP Female - 500mm	15mm ISO	1/2" Female	500 mm
1/2" FM / FF	FC-FM-12-300	FM: Female 1/2" BSP x 1/2" Male BSP - 300mm	1/2" Male	1/2" Male	300 mm
	FC-FM-12-500	FM: Female 1/2" BSP x 1/2" Male BSP - 500mm	1/2" Male	1/2" Male	500 mm
	FC-FF-12-300	FF: Female 1/2" BSP x 1/2" Female BSP - 300mm	1/2" Female	1/2" Female	300 mm
	FC-FF-12-500	FF: Female 1/2" BSP x 1/2" Female BSP - 500mm	1/2" Female	1/2" Female	500 mm
3/4" FM / FF	FC-FM-34-300	FM: Female 3/4" BSP x 3/4" Male BSP - 300mm	3/4" Female	3/4" Male	300 mm
	FC-FM-34-500	FM: Female 3/4" BSP x 3/4" Male BSP - 500mm	3/4" Female	3/4" Male	500 mm
	FC-FF-34-300	FF: Female 3/4" BSP x 3/4" Female BSP - 300mm	3/4" Female	3/4" Female	300 mm
	FC-FF-34-500	FF: Female 3/4" BSP x 3/4" Female BSP - 500mm	3/4" Female	3/4" Female	500 mm
Tap Connectors	FC-M12-12-500	Tap: M12 tap connector x 1/2" BSP Female - 500mm	M12	1/2" Female	500 mm
	FC-M10-12-500	Tap: M10 tap connector x 1/2" BSP Female - 500mm	M10	1/2" Female	500 mm
	FC-M8-12-500	Tap: M8 tap connector x 1/2" BSP Female - 500mm	M8	1/2" Female	500 mm
	FC-M12-12-300	Tap: M12 tap connector x 1/2" BSP Female - 300mm	M12	1/2" Female	300 mm
	FC-M10-12-300	Tap: M10 tap connector x 1/2" BSP Female - 300mm	M10	1/2" Female	300 mm
	FC-M8-12-300	Tap: M8 tap connector x 1/2" BSP Female - 300mm	M8	1/2" Female	300 mm

Working Parameters

- Working Pressure: 10 bar maximum for potable water. Significantly higher for other applications - please ask.
- Operating Temperature: -5°C-90°C
- Applications: Suitable for indoor and outdoor use
- Installation Environment: Domestic and commercial plumbing systems

While independently tested to significantly higher pressure thresholds, we recommend operating within these parameters for optimal long-term reliability.

Engineered Flexibility

Ridgeline™ Flexis feature a unique corrugated design that makes them impossible to kink or fray. This allows for:

- Superior Routing: Navigate complex installation paths effortlessly
- Tight Space Installation: Create 90° bends (or tighter) with zero flow restriction
- Full Bore Performance: Maintain consistent internal diameter regardless of bend angle
- Vibration Isolation: Reduce noise transfer and pipe movement stress

Certifications

Ridgeline™ Flexis have both KIWA Reg 4 and WRAS certifications. Manufactured to meet requirements of BS EN ISO 1086:2003

Installation Guidelines

- Secure each end with appropriate spanners (few half turns required)
- Always verify gasket placement before final tightening
- Do not over-tighten connections
- Visual inspection for correct seating recommended
- Replace gaskets if necessary, application dependant