

## Fibreflow Blown Fibre Passive Water-block Connectors

### PRODUCT DESCRIPTION:

Details of the push fit passive\* connectors for water-blocking at various locations, especially building entry. These push fittings are sized to match the tube diameters. The fittings are pushed onto a clean-cut tube end and make a seal with internal O-ring(s). If the tube is pulled away from the connector, internal teeth and a tapered body cause the tube to be gripped tighter. Removal of the tube is achieved by pressing the collet inwards.





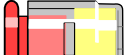



Water-block connectors are fitted with a passive 'on-size' internal rubber seal, made to match the size of the fibre unit or fibre cable used. The waterblock connector is fitted after fibre blowing, first sliding over the exposed fibre unit/cable, then plugging onto the tube that carries it. Water is then prevented from leaking past the installed fibre unit or cable. Emtelle manuals explain more on water-block connector features and use.

*\*\*Passive' WB connectors are not suitable for blowing through – indeed most shown below are equivalent to an end cap + seal. 'Active' connectors have an open rubber insert, which do permit blowing through. The seal can then be screwed down onto the FU/cable to make a water block.*

*NB: These 'cap'-style WB connectors cannot be used as end caps, as they have a hole in the cap.*

**MATERIALS (typical):** BODY: acetal copolymer, impact resistant  
 COLLET: acetal copolymer, stainless steel teeth  
 O-RINGS: nitrile rubber  
 WATER SEAL: silicone rubber (fixed size)

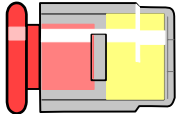
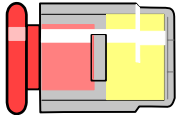
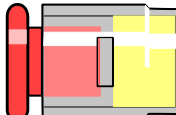
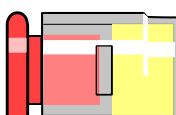
### PRODUCT DETAILS: (all dimensions approximate)

style	emtelle code	type	To fit FU/cable diam	diameter	length
	7314	3 x 3 std WB, 3mm tube both ends	2fu, 4fu	9mm	26.5mm
	70517	3mm WB 'cap' (tube one end only)	2fu, 4fu	7.6mm	12mm
	70508	4mm WB 'cap' (tube one end only)	1.8mm		
	6089	5 x 5 std WB, 5/3.5mm tube both ends	2fu, 4fu	11.5mm	24.5mm
	70509	7mm WB 'cap' (tube one end only)	1.8mm		
	70510	7mm WB 'cap' (tube one end only)	4mm		
	6090	8 x 5 WB adaptor. It contains no seal, but enables 8mm tube to be connected to a 5mm waterblock connector	2fu, 4fu	16mm	38.5mm
	70511	10mm WB 'cap' (tube one end only)	5.5mm		

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style	emtelle code	type	To fit FU/cable diam	diameter	length
	70512	12mm WB 'cap' (tube one end only)	6.0mm		
	70513	12mm WB 'cap' (tube one end only)	7.0mm		
	70514	14mm WB 'cap' (tube one end only)	6.0mm		
	70599	14mm WB 'cap' (tube one end only)	7.0mm		

**PERFORMANCE:** (data implies nylon tube to BS 5409 unless otherwise stated)

1. **Temperature:** Minimum working -20°C  
Maximum working +65°C
2. **Seal Pressure**  
Sealing pressure on tube: 1m water head  
Water-block sealing pressure: 1m water head
3. **Insertion force:** 50N max (5kg)
4. **Retention force:** 55N min (5mm tube) (does not apply to the barb end of the 5 x 5 connector)  
125N min (8mm tube and larger)

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