

Enbeam Fibre Cleaning Guide

Excel is a world-class premium performing end-to-end infrastructure solution - designed, manufactured, supported and delivered - without compromise.



Excel's Fibre Product Range

Excel's fibre product range has continued to develop over the last 20 years and has evolved to embrace new developments in fibre optic technology.

Contaminated fibre optic connectors can create major issues in your data centre. Even the slightest amount of dirt and dust in the connectors can slow transmission rates substantially. For some perspective, a human hair is typically around 60 micrometers in diameter but it only takes a 9 micrometer speck of dust (not even visible to the human eye) to totally block a fibre core. Other materials that cause problems with connections include oils from your hands and residues from the environment.

High quality fibre optic installation starts with the connectors. Clean connections provide faster transmission rates, higher bandwidth and maintenance-free operation, ultimately offering a more efficient and more effective fibre solution.

Chemtronics' FOCCUS™ branded products offer the tools required to quickly clean all types of connectors and ports. Patented technology, the Combination Cleaning™ process give clean connections first time, every time, saving engineers on resources, energy and time while on the job.



Swabs and Wipes

Presaturated swabs and wipes combine Chemtronics® highly effective cleaners and static dissipative treatments with the convenience of a disposable applicator.



Cleaner and Degreaser

Chemtronics' cleaner and degreaser are engineered to clean a wide variety of soil, oil, grease, oxides and handling contamination from equipment and assemblies.



Pens and Connector Tools

Chemtronics® has designed and developed these precision tools specifically to clean micro-contamination encountered in fiber optic telecommunications.



Cleaning Kits

These handy cleaning kits ensure that you have every element of your installation covered when it comes to assuring cleanliness and effectiveness.



View our infographic on keeping your fibre clean.



View the Combination Cleaning Process in action on Complex Contamination.

On the following pages, you will find a list of different Fibre Connector Types, which each require a different set of cleaning products for the most effective cleaning solution.

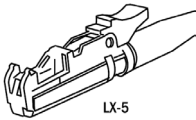
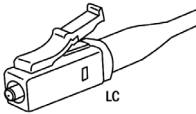
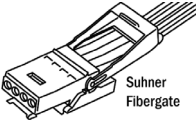
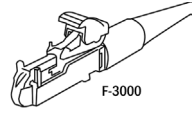
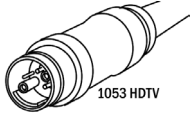
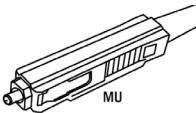
You can click on the links to view the products on the Excel website.

2.5mm Types

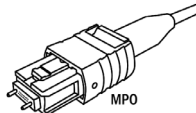
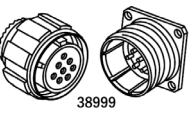

Device	Connector Description	Excel Part Number			
		Jumper	Recessed Backplane	Alignment Sleeve	Side of Ferrule
	Straight Tip / Bayonet Fibre Optic Connector	<ul style="list-style-type: none"> • QBE Cleaning Platform • CCT-250 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • CCT-250 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 48042F Fibre Optic Swab • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 38542F V-Groove and Ferrule Cleaning Swab • Fibrewash Pen (FW2150, FW2170, FW2190)
	SC – DC (Dual Contact) SC-QC (Quattro Contact)	<ul style="list-style-type: none"> • QBE Cleaning Platform • CCT-250 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • CCT-250 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 48042F Fibre Optic Swab • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 38542F V-Groove and Ferrule Cleaning Swab • Fibrewash Pen (FW2150, FW2170, FW2190)
	Subscriber Connector Square Connector Standard Connector	<ul style="list-style-type: none"> • QBE Cleaning Platform • CCT-250 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • CCT-250 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 48042F Fibre Optic Swab • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 38542F V-Groove and Ferrule Cleaning Swab • Fibrewash Pen (FW2150, FW2170, FW2190)
	Fibre-Jack Opti-Jack	<ul style="list-style-type: none"> • QBE Cleaning Platform • CCT-250 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • CCT-250 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 48042F Fibre Optic Swab • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 38542F V-Groove and Ferrule Cleaning Swab • Fibrewash Pen (FW2150, FW2170, FW2190)
	IBM Enterprise Systems Connection	<ul style="list-style-type: none"> • CCT-250 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • CCT-250 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 48042F Fibre Optic Swab • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 38542F V-Groove and Ferrule Cleaning Swab • Fibrewash Pen (FW2150, FW2170, FW2190)
	Shuttered 2.5 and 1.25 mm Connector	<ul style="list-style-type: none"> • CCT-250 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • CCT-250 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 48042F Fibre Optic Swab • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 38542F V-Groove and Ferrule Cleaning Swab • Fibrewash Pen (FW2150, FW2170, FW2190)
	Diamond Micro Interface	<ul style="list-style-type: none"> • CCT-250 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • CCT-250 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 48042F Fibre Optic Swab • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 38542F V-Groove and Ferrule Cleaning Swab • Fibrewash Pen (FW2150, FW2170, FW2190)
	Ferrule Connector or Fibre Channel	<ul style="list-style-type: none"> • QBE Cleaning Platform • CCT-250 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • CCT-250 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 48042F Fibre Optic Swab • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 38542F V-Groove and Ferrule Cleaning Swab • Fibrewash Pen (FW2150, FW2170, FW2190)
	7 OFS Crimp Connector	<ul style="list-style-type: none"> • CCT-250 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • CCT-250 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 48042F Fibre Optic Swab • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 38542F V-Groove and Ferrule Cleaning Swab • Fibrewash Pen (FW2150, FW2170, FW2190)
	Multiple Fibres (Simplex or Duplex)	<ul style="list-style-type: none"> • QBE Cleaning Platform • CCT-250 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • CCT-250 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 48042F Fibre Optic Swab • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 38542F V-Groove and Ferrule Cleaning Swab • Fibrewash Pen (FW2150, FW2170, FW2190)



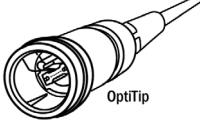
1.25mm Types

Device	Connector Description	Excel Part Number			
		Jumper	Recessed Backplane	Alignment Sleeve	Side of Ferrule
 LX-5	Shuttered Connector	<ul style="list-style-type: none"> • CCT-125 Tool • CCT-250 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • CCT-125 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 25123X Sleeve Swab • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 38542F V-Groove and Ferrule Cleaning Swab • Fibrewash Pen (FW2150, FW2170, FW2190)
 LC	Lucent Connector Little Connector Local Connector	<ul style="list-style-type: none"> • CCT-125 Tool • QBE Cleaning Platform • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • CCT-125 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 25123X Sleeve Swab • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 38542F V-Groove and Ferrule Cleaning Swab • Fibrewash Pen (FW2150, FW2170, FW2190)
 Suhner Fibergate	Multiple Fibres into one Connector	<ul style="list-style-type: none"> • CCT-125 Tool • QBE Cleaning Platform • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • CCT-125 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 25123X Sleeve Swab • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 38542F V-Groove and Ferrule Cleaning Swab • Fibrewash Pen (FW2150, FW2170, FW2190)
 F-3000	Diamond-Type Connector	<ul style="list-style-type: none"> • CCT-125 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • CCT-125 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 25123X Sleeve Swab • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 38542F V-Groove and Ferrule Cleaning Swab • Fibrewash Pen (FW2150, FW2170, FW2190)
 1053 HDTV	Broadcast Connector Interface	<ul style="list-style-type: none"> • 25123X Sleeve Swab • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • CCT-125 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 25123X Sleeve Swab • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 38542F V-Groove and Ferrule Cleaning Swab • Fibrewash Pen (FW2150, FW2170, FW2190)
 MU	Miniature Unit	<ul style="list-style-type: none"> • CCT-125 Tool • QBE Cleaning Platform • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • CCT-125 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 25123X Sleeve Swab • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 38542F V-Groove and Ferrule Cleaning Swab • Fibrewash Pen (FW2150, FW2170, FW2190)

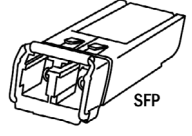
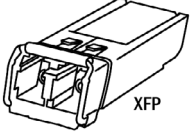
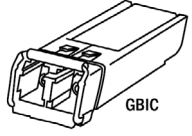
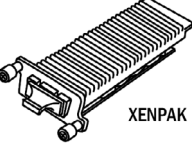
Multiple Fibres

Device	Connector Description	Excel Part Number			
		Jumper	Recessed Backplane	Alignment Sleeve	Side of Ferrule
 MPO	Multiple-Fibre Push-On / Pull-off	<ul style="list-style-type: none"> • CCT-MPO Tool • QBE Cleaning Platform • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • CCT-MPO Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • Fibrewash Pen (FW2150, FW2170, FW2190) 	
 38999	Military DOD Commercial Aviation	<ul style="list-style-type: none"> • 51125F Fusion Splice Mirror Swab (for large surfaces) • 25123X Sleeve Swab (for pin ports) • Fibrewash Pen (FW2150, FW2170, FW2190) 			
 TFOCA-111	Military DOD Commercial Aviation	<ul style="list-style-type: none"> • 51125F Fusion Splice Mirror Swab (for large surfaces) • 25123X Sleeve Swab (for pin ports) • Fibrewash Pen (FW2150, FW2170, FW2190) 			

Fibre to the Home (FTTH)

Device	Connector Description	Excel Part Number			
		Jumper	Recessed Backplane	Alignment Sleeve	Side of Ferrule
	Used on FTTP: hot connector used by Frontier and many others	<ul style="list-style-type: none"> • CCT-MPO Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • CCT-MPO Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 48042F Fibre Optic Swab • Fibrewash Pen (FW2150, FW2170, FW2190) 	

Transceivers

Device	Connector Description	Excel Part Number			
		Jumper	Recessed Backplane	Alignment Sleeve	Side of Ferrule
	Transceiver	<ul style="list-style-type: none"> • CCT-MPO Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • CCT-125 Tool • CCT-250 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 48042F Fibre Optic Swab • 25123X Sleeve Swab • Fibrewash Pen (FW2150, FW2170, FW2190) 	
	Transceiver	<ul style="list-style-type: none"> • CCT-MPO Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • CCT-125 Tool • CCT-250 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 48042F Fibre Optic Swab • 25123X Sleeve Swab • Fibrewash Pen (FW2150, FW2170, FW2190) 	
	Transceiver	<ul style="list-style-type: none"> • CCT-MPO Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • CCT-125 Tool • CCT-250 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 48042F Fibre Optic Swab • 25123X Sleeve Swab • Fibrewash Pen (FW2150, FW2170, FW2190) 	
	Transceiver	<ul style="list-style-type: none"> • CCT-MPO Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • CCT-125 Tool • CCT-250 Tool • Fibrewash Pen (FW2150, FW2170, FW2190) 	<ul style="list-style-type: none"> • 48042F Fibre Optic Swab • 25123X Sleeve Swab • Fibrewash Pen (FW2150, FW2170, FW2190) 	



European Headquarters

Excel House
Junction Six Industrial Park
Electric Avenue
Birmingham B6 7JJ
England

T: +44 (0)121 326 7557

E: sales@excel-networking.com

Mayflex MEA DMCC

Office 22A/B
Au (Gold) Tower
Cluster I
Jumeirah Lakes Towers
Dubai
United Arab Emirates

T: +971 4 421 4352

E: salesme@excel-networking.com

