

CONTENTS

02	Introduction Page 3
03	Why Emtelle Page 4
04 Providing T	he Full Solution Page 6
05	FibreFast Page 10
06 Pre-	Connectorised Page 20
07	Pre-Fibred Page 28
08	Microducts Page 36
09	Tube Bundles Page 42
10	HDPE Duct Page 52
11	Accessories Page 58
Tools 8	Consumables Page 80
13	Contact Us Page 90

INTRODUCTION DELIVERING SOLUTIONS, CREATING CONNECTIONS

Superfast connectivity is becoming an increasingly essential part of our daily lives. As technology capabilities expand, the global connectivity expectations grow in tandem. Whether it be for home office, wifi supply, streaming services, remote calling and much more, it's an essential requirement that 21st century lives cannot live without a superfast, quality and reliable connection.

Without optical fibre, such a feat would not be possible. Optical fibre brings a variety of benefits compared to more conventional cabling methods including; increased bandwidth capabilities, faster speeds, improved reliability, and further flexibility for the future. To effectively combat the ever-growing connectivity requirements - with more and more fibre deployments being rolled out across the globe daily - there is a high reliance on ensuring optical fibre deployments are easy-to-install, efficient, and futureproof.

The complete Emtelle solution delivers this and more. The innovative direction of Emtelle FibreFlow, QWK and FIT solution ranges, enable operators to utilise a fully compatible, fully tested, and fully futureproof solution, aiding and enhancing in fibre optic rollouts. Having assisted a high proportion of the key players with quality and reliable fibre and duct solutions for deployments worldwide over the last 40 years, the proof is in Emtelle's positioning, providing a premium end-to-end product solution, to a long list of global projects.

On the following pages you will find out more on why Emtelle are the supplier of choice, and how the Emtelle product solution library enhances global fibre roll-outs.

GLOBAL MANUFACTURER OF PRE-CONNECTORISED, BLOWN FIBRE CABLE & DUCTED NETWORK SOLUTIONS



WHY EMTELLE

With operations in UK, Germany, Denmark, Dubai and USA as well as sales representatives in The Netherlands, Sweden, Eastern Europe & Malaysia. Emtelle serves over 100 countries globally, combining proven knowledge with continuous innovation for the last 40 years.

AN ESTABLISHED INDUSTRY LEADER

Having dominated the blown fibre & ducted solution manufacturing space since its inception, Emtelle have pioneered some of the most innovative solutions within the industry as the company has advanced over the past four decades. Ranging from standard fibre, microduct and tube bundle products to pre-fibred and preconnectorised solutions, they focus on creating the best value, reducing total project costs, and minimizing installation time and disruption.

THE FULL SOLUTION PROVIDER

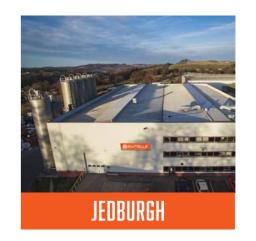
Supplying a unique and complete solution to an ever-expanding market is more pertinent now than ever. Emtelle acknowledge the challenges

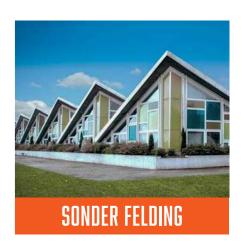
when combining all the different components within a passive network, and ensuring efficient delivery of all at the right time. Emtelle with it's one-stop-shop ethos is all about providing customers with one direct route to sourcing a complete end-to-end solution; from microducts to fibre cables, from connectors to closures, from tools to blowing equipment. It's a way of making our customers' lives easier, enabling them to focus on what is paramount — creating connections effectively and efficiently.

OFFERING SUPERIOR SUPPORT

Emtelle offer the full solution in terms of solution supply, customer service, support and training, from initial concept to installation and beyond. The highest standard of excellence is provided by Emtelle throughout all its activities by using the company's production capacity and technical knowledge to develop, perfect & sustain the optimum solutions; the entire Emtelle offering adds value to FTTX networks around the world.























PROVIDING THE FULL SOLUTION



BACKHAUL

Start your network with Emtelle's Industry rated solutions.



FibreFlow DB

FibreFlow DBR

DITRADITIONAL CABLE

DB TRADITIONAL CABLE





PNP

Create the perfect route from the backhaul to the cabinet.

FibreFlow D







CABINET

Emtelle's partners CommScope provide the ideal cabinets for FTTH.

COMMSC PE®





DISTRIBUTION

Connecting homes with pre-connectorised solutions.



MULTIFU



Fibre**Flow**(**)WEBFLEX

FibreFlow VERTEX



FibreFlow **UP**

QQWKtap[™]

FibreFast



HOME

From above is another way
Emtelle can supply
fibre to homes.











INDOOR

Emtelle supply fire safe cabling for all MDU scenarios.

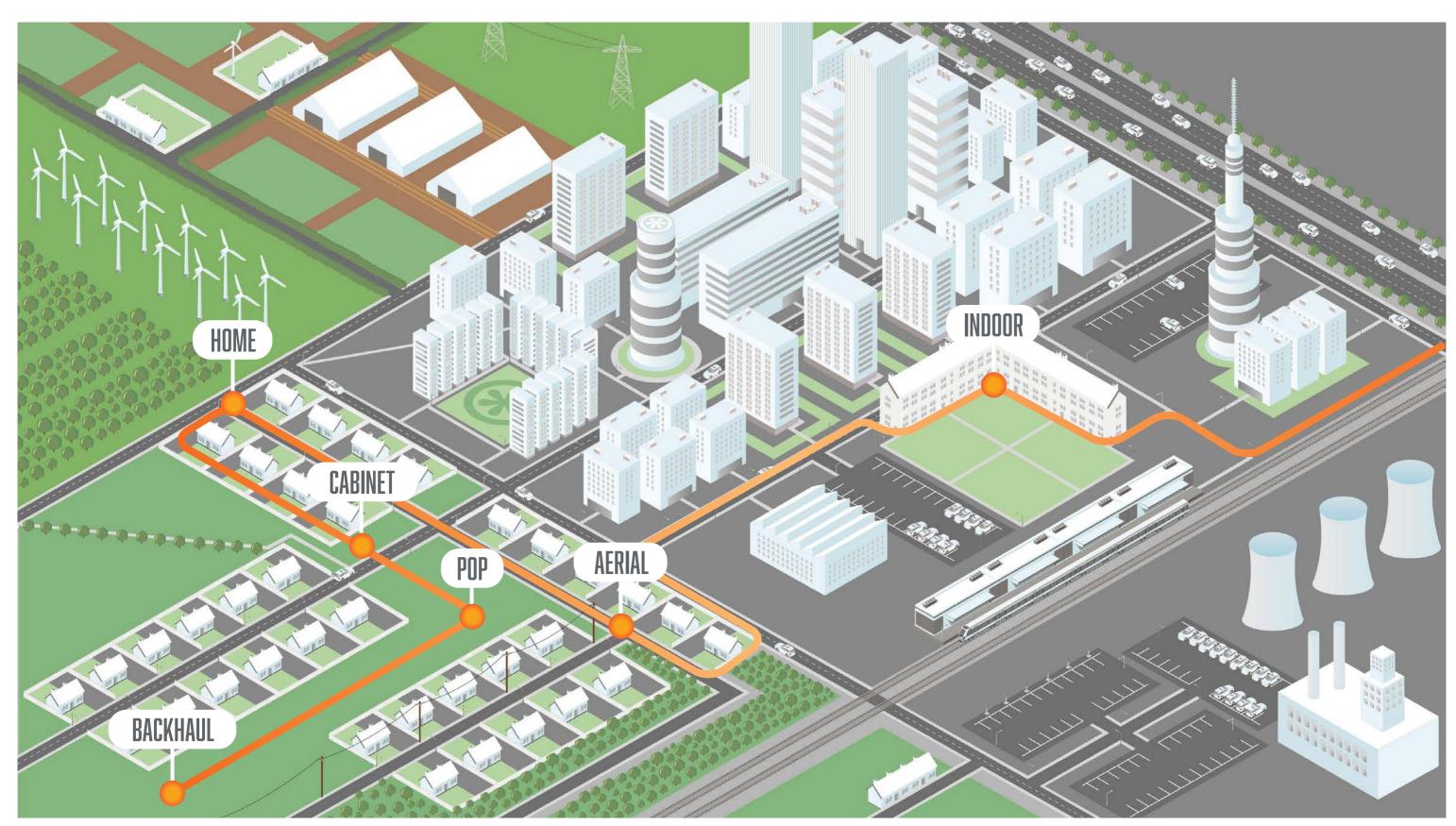
FibreFlow () LFH





At Emtelle we are always looking at ways to improve the FTTH network and provide high-quality solutions for our customers. Compliment your network with the full Emtelle solution, from

connectivity solutions to blowing equipment. This brochure will inform you of our vast product range and explain each of our solutions' benefits.



05



FIBREFAST

FibreFast cable range features bespoke fibre units, minicables and microcable designs.

Fibrefast cables are designed for quick and easy installation and tested to meet the highest industry standards.

Our blown fibre cables feature low friction outer jackets to maximise your installation speed and reliability. When paired with our FibreFlow Microducts, they provide unparalleled installation performance.

They are compatible with industrystandard blowing equipment and have been tested on our blowing tracks and in practice during installations across the globe.

The cable range is straightforward to use and handle, making stripping the fibre quicker with increased reliability.

It's Fibre. It's Fast. It's FibreFast!



Emtelle FibreFlow ABF (fibre bundle) products are the subject of United Kingdom patents GB2409908C & GB2409909C, European patents EP1600801B1 & EP3073305B1, European patent application EP3270203A1 and corresponding patents in other countries. All rights reserved

FIBREFAST FIBRE UNIT



FIBREFAST MICROCABLE

this product ideal for our pre-terminated blowable fibre cable solutions.



FibreFast Fibre Unit is a patented design featuring a low friction outer jacket / sheath that is designed for superior blowing performance when paired with our FibreFlow microduct systems. All our solutions are tested according to IEC 60794 mechanical and environmental test methods. FibreFast Fibre Unit has been a popular choice for FTTH installations for nearly 20 years.



Datasheet

MHT2669 Scan QR code for datasheet

Page 12



Design Detai	1:	S
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Fibre count	2,4,8,12,24
Element type	Acrylate bundle
Cable mass (kg/km)	1.0 - 2.8
Cable outer diameter (mm)	1.10 - 2.05
Bending radius static (mm)	50 - 170













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Design Details

FibreFast is our latest patented microcable design, featuring enhanced benefits to the network provider to support their

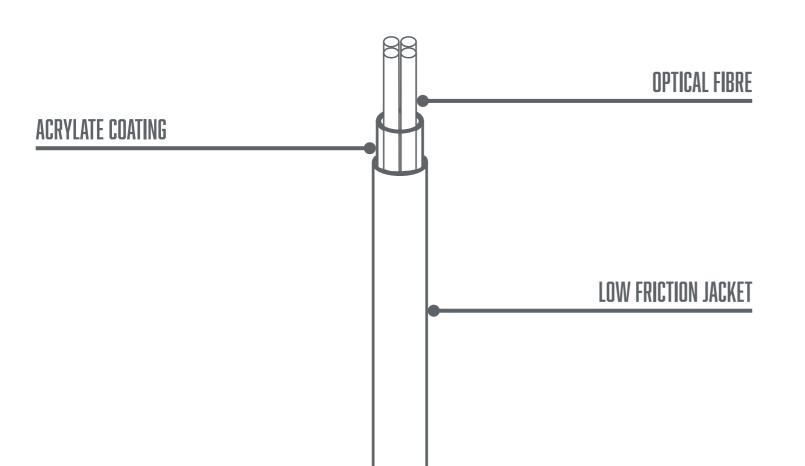
network rollout demands. FibreFast Microcable now features improved tensile performance and reduced friction, making

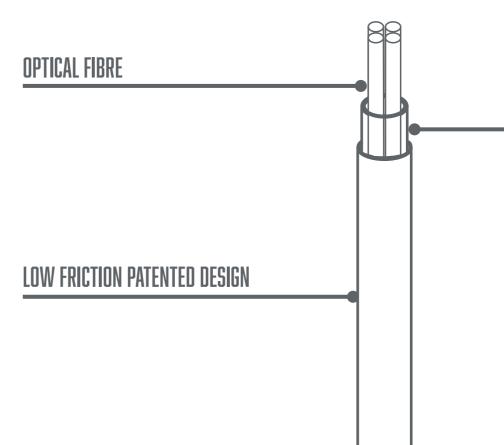
2,4
1.05
1.047
60
16











FIBREFAST XTREME



FIBREFAST BLOWN MINICABLE



FibreFast Xtreme is a robust designed optical fibre microcable with fibres set in an encapsulating layer along with a GRP rod providing excellent dimensional and thermal stability. Featuring a similar low friction outer jacket / sheath for excellent blowing performance. The robust design also enables installation via pushing techniques lending this microcable to be the ideal customer drop cable for short drops upto 150 metres.

FibreFast Blown Minicables are designed to be lightweight with a low friction HDPE / Nylon Jacket. These designs have an outer diameter that is smaller than traditional cables, enabling microducts space to be optimally filled with fibre. We offer a full range of blown minicables up to 576 fibres. Each cable is tested in our Nx100 route to verify compatibility and blowing performance.



Datasheet

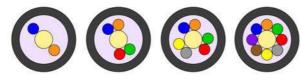
MHT2708

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Design Details

Fibre Count	2,4,6,8
Outer diameter (mm)	2.0
Mass (nominal) (g/m)	3.3 - 3.49
Min bend radius (mm)	40
Max installation tension (N)	32 - 70









Datasheet

MHT441H

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Design Details

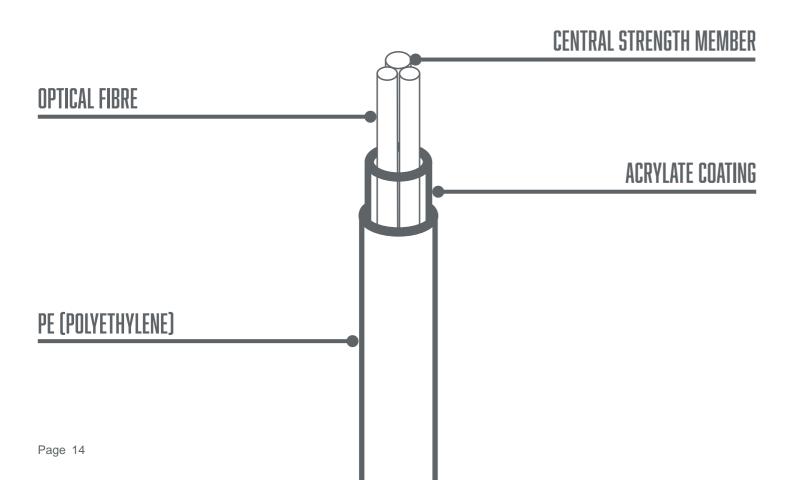
Fibre count	4,8,12,24,36,48,72
Sheath Material	HDPE
Cable mass (g/km)	25
Cable outer diameter (mm)	5.3
Operating Temperature (°C)	-30 to +70
Tensile performance (N)	500
Fibre Specification	ITU-T G.652D, G657A1, G657A2

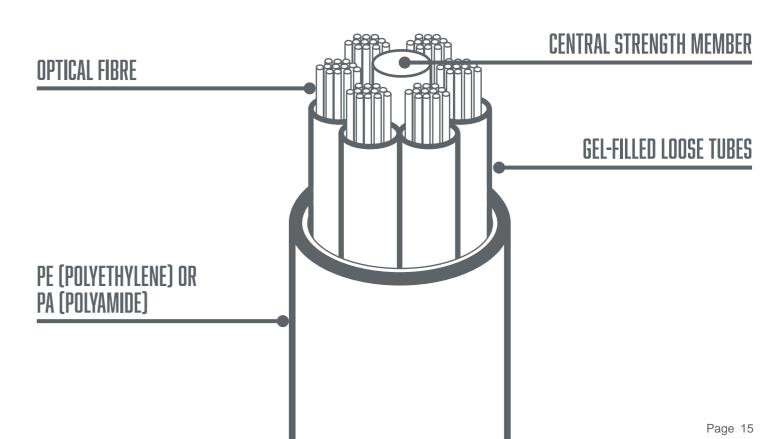












DIRECT INSTALL TRADITIONAL CABLE

Direct Install Traditional Cable range is all dielectric and designed for installation into a duct by pulling. The DI Traditional Cable is a stronger version of a Minicable allowing for the cable to be pulled into an existing duct if required.

Datasheet

CP2596



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Fibre count	12,24,36,48,72,96,144
Operating Temperatures (°C)	-10 to +50
Cable mass (kg/km)	86 - 174
Cable outer diameter (mm)	10.9 - 15.5
Bending radius (∅)	20
Sheath Thickness (mm)	2
Tube OD/ID (Ø mm)	2.1/1.6



DIRECT BURY TRADITIONAL CABLE

Our Direct Bury Traditional Cable range is predominantly deployed by direct burial install into suitable prepared ground, due to its exceptional strength and protection of the outer sheath.



Datasheet

CP2597

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Design Details

12,24,36,48,72,96,144
-40 to +70
12.5 - 17
115 - 213
240 - 325

ULTRA LIGHTWEIGHT CABLE (ULW)



ULW cables are designed to be compact (7mm diameter), lightweight <38Kg/km and easy to install. The ULW is designed to be installed on distributions line up to 11kV and comes in two designs a dry acrylate tube or soft easy strip tube with water-blocking gel.



Datasheet

CP2976

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Design Details

Fibre count	4,8,12,24,36,48
Element type	Acrylate bundle, colour coded
Cable mass (kg/km)	38
Cable outer diameter (mm)	7.0
Bending radius static/dynamic	70/140
Tensile strength	1250
Break load	>1350 - <2000



AERIAL DROP CABLE 3.4MM



A small, lightweight cable which can be used for final FTTX aerial or façade connections. This cable solution can be preconnectorised, reducing splicing costs and installation time as well as simplifying the installation.



Datasheet

1f Pre-Terminated **OH Drop Cable** Generic 35m-85m

Scan QR code for datasheet



Design Details

Fibre count	1	
Semi-tight buffer diameter (mm)	0.9	
Outer jacket thickness (mm)	0.85	
Cable diameter (mm)	3.4	
Cable weight (kg/km)	12.6	



COLOUR IDENTIFICATION

Fibre/Tube count

Yellow

Violet

Red with ring marks

Natural with ring marks

Yellow with ring marks

Violet with ring marks

Rose with ring marks

Aqua with ring marks

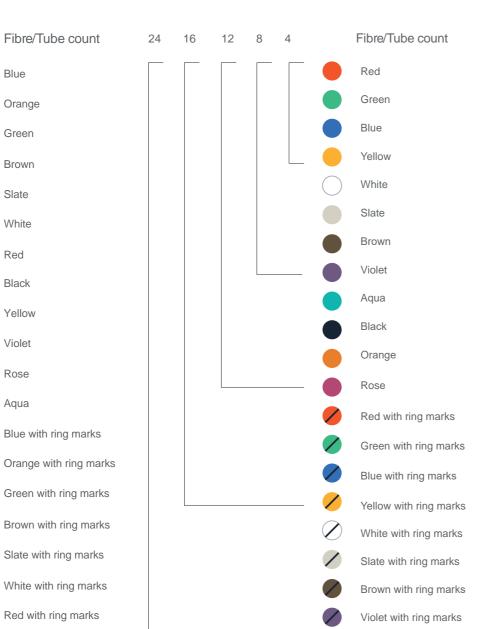
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12

8

16

DIN VDE 0888

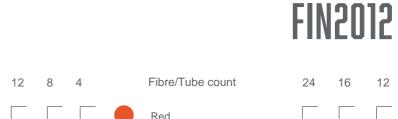


Aqua with ring marks

Orange with ring marks

Rose with ring marks

S12







PRE-CONNECTORISED

Are you looking for high-speed installations and Plug & Play? Emtelle has fibre termination facilities that create pre-connectorised solutions according to the customer's requirements. Our pre-connectorised QWK-range comes with connectors on one or both ends and has been deployed globally across the fibre and duct industry. Choosing a Preconnectorised solution offers all the benefits of blown fibre without the need for splicing. The solutions focus on creating the best value, reducing total project costs, and minimising time and disruption.













- CAN BE CONNECTORISED AT ONE END OR BOTH ENDS
- SC & LC APC CONNECTOR OPTIONS AVAILABLE
- NO FIBRE SPLICING REQUIRED FOR THE CUSTOMER DROP
- EXTREMELY SMALL STORAGE AREA FOR THE EXCESS FIBRE
- REDUCED SKILL SET & TRAINING REQUIRED FOR THE INSTALL
- MASSIVELY REDUCED CAPEX FOR INSTALLATION EQUIPMENT
- COST (AND SPACE) EFFECTIVE COMPARED TO SIMILAR PRODUCTS IN THE MARKET

OWKLINK OPTIONS

Fibre Type	Fibre Count	Cable Diameter		
G.652.D	2f	_		
G.032.D	4f	_		
G.657.A1	2f			
G.057.A1		1.1mm		
G.657.A2	2f	_		
G.057.AZ		-		





Datasheet

UK_DS_QWKLINK
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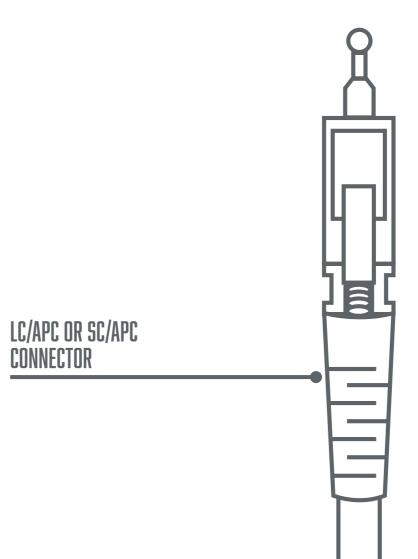
datasheet







QWKlink is our patented fibre bundle pre-connectorised during manufacture The pre-connectorised Microcable allows for fibre connectors of specific types



2-4F MICROCABLE



- FIBRE PRE-INSTALLED CAN BE CONNECTORISED AT ONE END OR BOTH ENDS
- SC AND LC APC CONNECTOR OPTIONS AVAILABLE
- NO BLOWING OR FIBRE SPLICING REQUIRED FOR THE CUSTOMER DROP
- EXTREMELY SMALL STORAGE AREA FOR EXCESS FIBRE
- REDUCED SKILL SET & TRAINING REQUIRED FOR THE INSTALL
- MASSIVELY REDUCED CAPEX FOR INSTALLATION EQUIPMENT
- COST (AND SPACE) EFFECTIVE COMPARED TO SIMILAR PRODUCTS IN THE MARKET

OWKCONNECT OPTIONS

Dimension	Application	Connector	Length	Cable Diameter
5/3,5 HDPE	Outdoor	LC/APC or SC/APC	25-300m	1.1mm
7/4 HDPE	Outdoor	LC/APC or SC/APC	25-300m	1.1mm
5/3,5 LFH	Indoor	LC/APC or SC/APC	25-300m	1.1mm
7/4 LFH	Indoor	LC/APC or SC/APC	25-300m	1.1mm
6/3,2 HDPE	Aerial	LC/APC or SC/APC	25-300m	1.1mm
7/3,7 HDPE	Aerial	LC/APC or SC/APC	25-300m	1.1mm

G652.D, G.657.A1, G.657.A2 Fibre options available LFH is CPR rated









Datasheet

UK_DS_QWKCONNECT

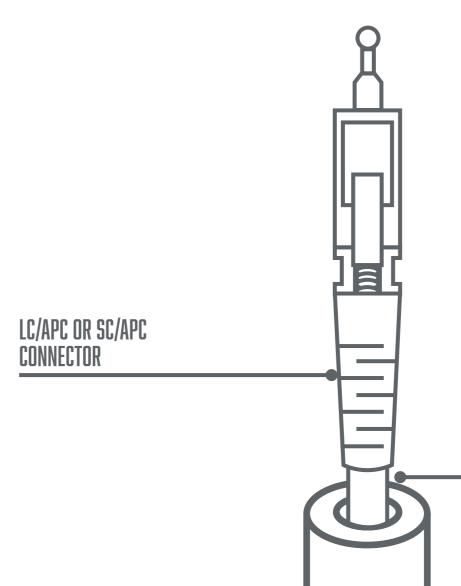
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QWKconnect is effectively pre-connectorised fibre within a FibreFlow microduct that is pre-installed during the manufacturing process that gives a dedicated pathway to each home



2-4F MICROCABLE

HDPE MICRODUCT

- PRODUCT PRE-CONNECTORISED WITH LC/APC OR SC/APC CONNECTORS
- STRONG FLEXIBLE PE BLACK OUTER SHEATH (COLOUR OPTIONS)
- DISCREET, SMALL AND FLEXIBLE LFH INNER SHEATH
- QUICK INSTALLATION
- LOW SKILL RESOURCE REQUIREMENT
- LOW INSTALLATION EQUIPMENT COST
- THE ONLY SOLUTION ON THE MARKET WITH SLIDEABLE & ADJUSTABLE EXTERNAL SHEATH ON AN INTERNAL CABLE!

HOMECONNECT OPTIONS

Dimension	Application	Connector	Length
5/3,5 HDPE	Indoor/Outdoor	LC/APC - Bare	5-50m
5/3,5 HDPE	Indoor/Outdoor	SC/APC - Bare	5-50m

Internal Cable is CPR rated











Datasheet

UK_DS_HOMECONNECT

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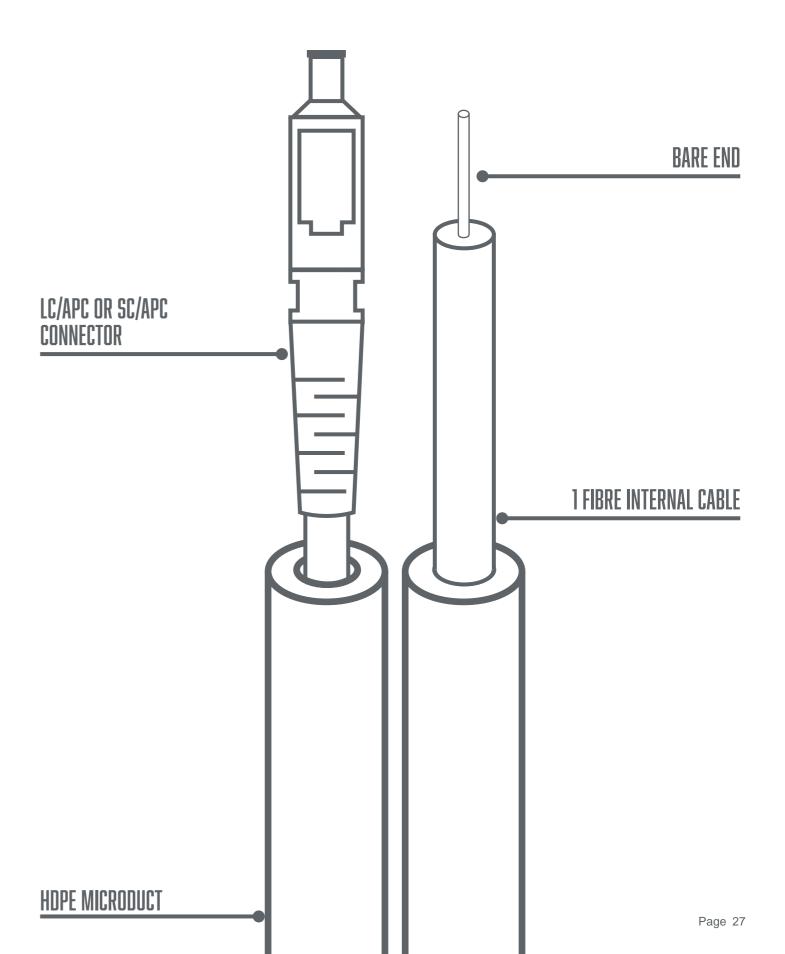








This product is intended for use where an installer needs a quick and easy one stop solution for an internal/external drop cable installation. The product comes pre-terminated with a LC or SC connector at the house end.



*

PRE-FIBRED

The FIT-range combines Emtelle's core fibre and duct products and offers factory pre-installed microducts and bundles. Pre-installed solutions provide the benefits of blown fibre without the need of blowing on-site so you can achieve a fully "blown" network from Day 1 of installation. These solutions reduce the total costs of a project, minimise time, install equipment, and eliminate the expenses associated with blowing. The FIT (Fibre-in-Tube) range offers high-speed installation and "FTTH in ONE DIG".





- EASY TO INSTALL, ASSEMBLE AND USE PRODUCTS
- REDUCE THE SKILL REQUIREMENTS
- MINIMISE INSTALLATION TIME AND REDUCE FAILURE RATE
- INCREASE ROLL OUT SPEED
- LOWER UPGRADE AND MAINTENANCE COSTS FOR THE LIFE TIME OF THE NETWORK
- ADAPTED FOR LOW COST CONSTRUCTION TECHNIQUES
- A DEDICATED PATHWAY TO EACH HOME

MULTIFU OPTIONS

12/19/22/24	Way -	Supply	Length
-------------	-------	--------	--------

Microcable						
Wicrocable	4/2.1 mm	4/2.5 mm	7/4 mm	8/5 mm	10/6 mm	12/8 mm
2 & 4	800	1,200	2,000	2,000	2,000	2,000
6	500	1,000	1,500	1,500	1,500	1,500
8	-	-	1,000	1,000	1,500	1,500
12	-	-	1,000	1,000	1,500	1,500
24	-	-	1,300	1,300	1,000	1,500







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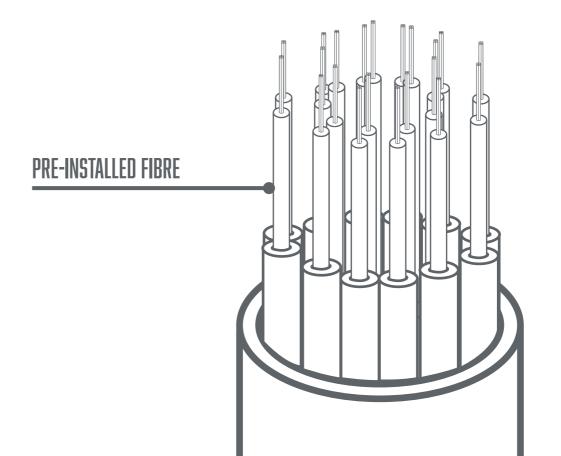
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Multifu is a tube bundle – a duct with microducts pre-installed with a microcable – ensuring fibre and duct can be installed in one process.



12/19/22/24-WAY MULTIFU

OUTER SHEATH



- HIGH SPEED INSTALLATION AND CONNECTIVITY WITH NO SPECIALIST TRAINING
- NO BLOWING EQUIPMENT IS NEEDED DURING INSTALLATION
- PULL BACK DISTANCE CAN BE UP TO 150M *DEPENDANT ON EXACT ROUTE
- GRP RODS TO OFFER ADDITIONAL STRENGTH AND LONGEVITY
- A MIX OF FIBRE COUNTS ARE AVAILABLE TO COVER MANY CONNECTION REQUIREMENTS
- FULLY COMPATIBLE WITH THE EMTELLE EMU BOX (4 CUSTOMER DROPS)
- CUSTOMER DROPS CAN HAVE PRE-INSTALLED DRAW STRING TO AID FIBRE INSTALLS TO THE HOME
- VARIATIONS CAN BE INSTALLED INTO EXISTING DUCTS, OVERHEAD, ON FACADE & IN-BUILDING (CPR RATED)

RTRYVA OPTIONS

RTRYVA Size	Sheath N	Sheath Material		Fibre Count Options	
Options (mm) Exter	External Solution	Internal Solution	2f Elements	4f Elements	12f Elements
8/5	MDPE	LFH	12 x 2f	12 x 4f	6 x 12f
10/6	MDPE	LFH	14 x 2f	14 x 4f	8 x 12f
12/8	MDPE	LFH	24 x 2f	24 x 4f	14 x 12f
15/9	MDPE	LFH	48 x 2f	48 x 4f	30 x 12f
16/10	MDPE	LFH	48 x 2f	48 x 4f	30 x 12f







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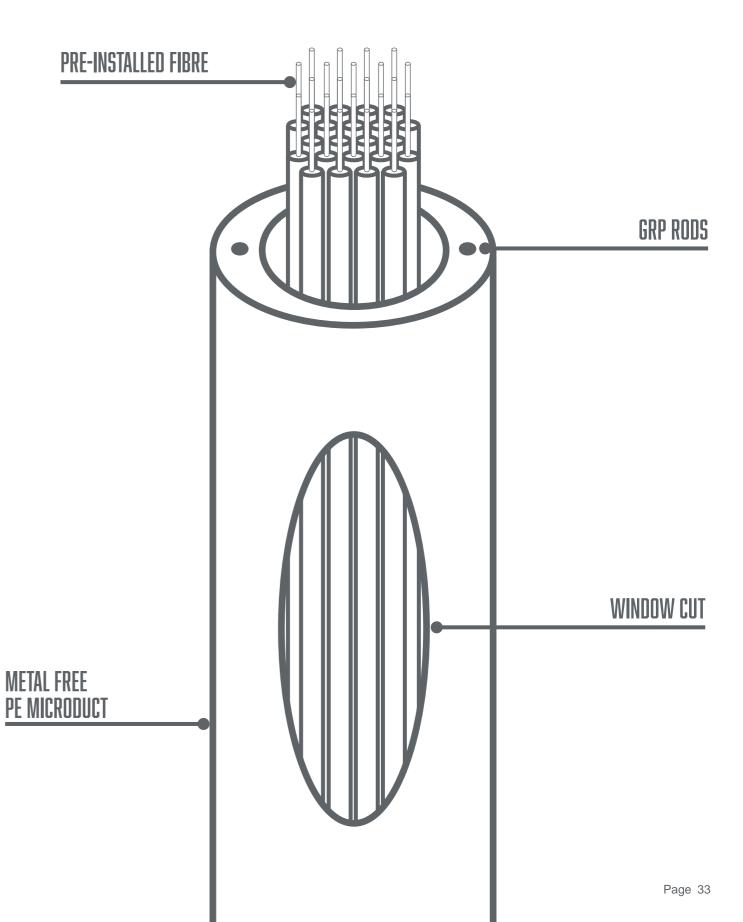
CP2509







RTRYVA is a high-density fibre pull back cable constructed of pre-installed loose microcables, protected within a PE microduct.





- HIGH SPEED INSTALLATION AND CONNECTIVITY WITH NO SPECIALIST TRAINING
- NO BLOWING EQUIPMENT REQUIRED
- LOW FRICTION SHEATH
- QUICK TO REPAIR AND REPLACE FIBRES EVENT WHERE PHYSICAL DAMAGE HAS OCCURRED
- CAPABLE OF DIRECT BURIAL INTO SUITABLY PREPARED GROUND

PIFU OPTIONS

Product Code	Description	Low Friction FU Sheath	Туре	Fibre Colour	Standard Length
60963	8/3.5mm + 2 PIFU MM OM3 x 1000m	yes	MM OM3	blue, orange	1000m
8476	8/3.5mm + 2 PIFU G652d x 1000m	yes	G652d	blue, green	1000m
8497	8/3.5mm + 4 PIFU G652d x 1000m	yes	G652d	blue, orange, green, red	1000m
60982	8/3.5mm + 2 PIFU G657A1 x 2000m	yes	G657A1	blue, green	2000m







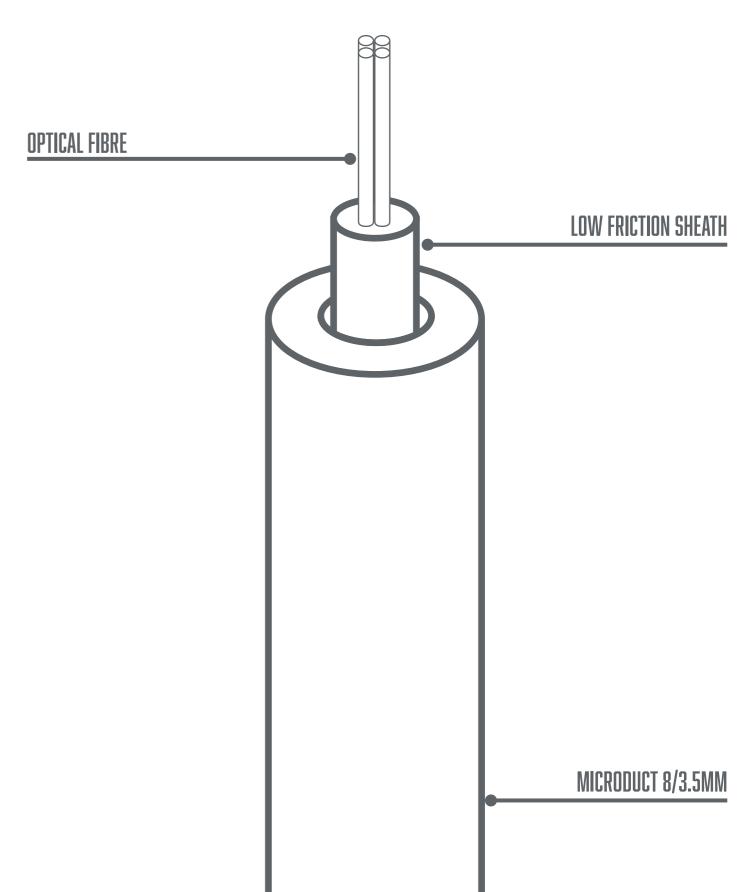
Datasheet

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PIFU is an ideal product for FTTH drops to homes as it is quick to repair and replace the fibres in an event where physical damage has occurred.



(*)

MICRODUCTS

At the heart of the FibreFlow protected microduct system are the individual microducts themselves. We offer three different models of microducts: Standard Wall, Thick Wall and Low Fire Hazard (LFH). Our high-quality microducts come in a range of sizes from 3-16mm in diameter. All of our microducts, as standard, feature EM-Liner, a bonded dry low friction liner that greatly enhances fibre installation.











- · RIBBED AND SMOOTH OPTIONS AVAILABLE
- LOPE, MDPE, HDPE AND LFH VARIANTS AVAILABLE
- VARIETY OF SIZES AVAILABLE
- LOW FRICTION LINER EM-LINER AS STANDARD TO EASE FIBRE INSTALLATION
- VARIETY OF COLOURS AND STRIPES AVAILABLE (EIA-598 COLOUR CONFIGURATION AS STANDARD OR CUSTOM COLOURS AVAILABLE)
- STANDARD AND CUSTOM LENGTHS AVAILABLE
- CUSTOMER NAME, METRE, AND PRODUCT MARKING AS STANDARD ON ALL MICRODUCTS
- TESTED TO INDUSTRY STANDARD IEC60794



Standard & Thick Wall Microducts Available in EIA-598 Colour Configuration

















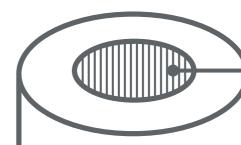






1 ring

(custom colours available upon reques



PEM-LINER

Best-in-Class Quality



Optimal Blowing

Performance

Extensive Testing for Maximum Blowability



Prime grade material guaranteed

UV protection 2 years in Central Europe according to DIN EN ISO 4892-2

Strict quality checks throughout manufacture

Life expectancy minimum 25 years

25+ years microduct manufacturing experience



Specially co-extruded low-friction inner layer on all microducts as standard

Up to 50% better blowing performance

Up to 5 times lower friction coefficient

Reduces installation friction and costs



Tested to industry standard IEC60794-5

Pressure testing on every microduct as standard

Ball chain testing carried out on various microducts

Regular inhouse testing processes throughout manufacture

Proven to perform on inhouse Nx100 test track





THIN WALL MICRODUCTS

Thin Wall Microducts are normally installed in existing ducts with limited space and where thick-walled ducts will not fit. The ducts are thinner in diameter and are suitable for installation of air blown fibre. The ducts have a solid, low friction liner for best installation performance.

Datasheet

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datasheet



Outer Diameter/Inner Diameter (mm)

3/2.1	8/6
4/2.5	10/8
4/2.7	12/10
4/2.8	14/11.5
5/3.5	14/12
6/4.5	16/13
7/5.5	



THICK WALL MICRODUCTS

Thick Wall Microducts are exceptionally tough and can be directly buried without the need for additional protective closures at branch-off points, or inline connections. The ducts have a solid, low friction liner for best installation performance.



Datasheet

MHT2643

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Outer Diameter/Inner Diameter (mm)

7/4	10/6
7/3.5	12/8
8/5	14/10
8/4	16/12
8/3.5	16/10







Our LFH Microduct contains LFH material suitable for indoor fire regulation use, giving excellent performance in fire scenarios. The ducts have a solid, low friction liner for best installation performance.



Datasheet

MHT2680

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Outer	Diameter/Inner Diameter	(m m)
Outer	Diameter/inner Diameter	(1111 1111 /

	,
4/2.5	8/6
5/3.5	8/5
5/2.1	8/4
6/3.8	10/6
7/5.5	12/8
7/4	14/10
7/3.5	16/12



UNIVERSAL DROP TUBE



Emtelle Universal Drop Tube is used as a customer drop tube for a variety of installations - it can be used overhead, in duct, along walls or directly buried. With GRP strength members in the wall, the Universal Drop Tube is spade resistant and means contractors have the option to bury the product at a shallower depth due to added strength.



Datasheet

MHT2806

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Outer Diameter/Inner Diameter (mm)

6/3.2
7/3.7
8/4
10/6
16/10











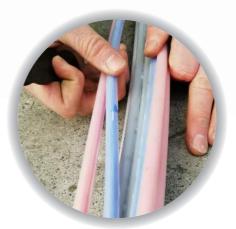


TUBE BUNDLES

Our tube bundles are tightly protected microducts suitable for installation of microcable containing between 1 to 24 fibres, as well as 24-576 fibres in Minicables. Our high-quality bundles come in a range of sizes from 3mm-16mm microduct outside diameters and contain up to 26 individual microducts. As standard, each of the microducts within every tube bundle we manufacture has a low friction liner on the inner sheath, which improves blowing performance.









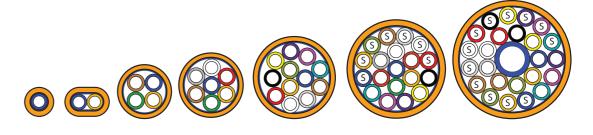


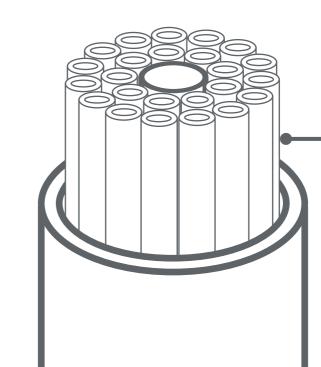
- SIZES FROM 3MM-16MM MICRODUCT OUTSIDE DIAMETERS
- MEET & EXCEEDS THE REQUIREMENTS OF INDUSTRY STANDARD IEC60794
- CAN CONTAIN UP TO 26 INDIVIDUAL MICRODUCTS
- OVER 2000 SPECIFICATIONS AVAILABLE FOR A HUGE ARRAY OF APPLICATIONS
- CUSTOMISED TO MEET SPECIFIC CUSTOMERS' NEEDS
- A LOW FRICTION LINER ON THE INNER SHEATH WHICH IMPROVES BLOWING PERFORMANCE
- QUICK INSTALLATION
- AVAILABLE IN SEVERAL TYPES INCLUDING DIRECT BURY, DIRECT INSTALL AND LOW FIRE HAZARD
- SUITABLE FOR INSTALLATION OF MICROCABLES CONTAINING BETWEEN 1 24 FIBRES, AS WELL AS 24-576 FIBRES IN MINICABLES.

Extensive Testing for Optimal Blowing Best-in-Class Quality Maximum Blowability Performance EM-LINER Prime grade material Specially co-extruded **Tested to industry** low-friction inner layer standard IEC60794-5 guaranteed on all microducts as UV protection 2 years in standard Pressure testing on every tube bundle as standard **Central Europe according** to DIN EN ISO 4892-2 Up to 50% better blowing Ball chain testing carried performance out on various tube **Strict quality checks** throughout manufacture Up to 5 times lower bundles friction coefficient Life expectancy minimum Regular inhouse testing 25 years **Reduces installation** processes throughout friction and costs manufacture 25+ years tube bundle manufacturing Proven to perform on

EMTELLE TUBE BUNDLE

Our tube bundles are tight protected microducts suitable for installation of microcables containing between 1 - 24 fibres, as well as 24-576 fibres in Minicables.





MICRODUCTS

OUTER SHEATH

inhouse Nx100 test track

experience

DBMF - THICKWALL



DBMF - TRADITIONAL



Assemblies of direct burial microducts, each with low friction performance. Each assembly (tube bundle) is surrounded by a thin, tough sheath. These strong products are designed for direct burial installation into suitably prepared ground.

Assemblies of PE microducts, each with low friction performance. Each assembly (tube bundle) is surrounded by a water blocking tape that reacts to block water movement. Over the bundle is one sheath of flexible black PE, and one sheath of tough orange direct burial-grade PE. These strong products are designed for direct burial into suitably prepared ground.





Datasheet

MHT2804

Scan QR code for datasheet



Outer Diameter/Inner Diameter (mm)

10/6
12/8
14/10
16/12
16/10



Datasheet

MHT2803

Scan QR code for datasheet

Q28	
10 0	

Outer	Diameter/Inner	Diameter (mm)	
2/	2.4	9/6	

3/2.1	8/6
4/2.5	10/8
4/2.7	12/10
4/2.8	14/11.5
5/3.5	14/12
6/4.5	16/13
7/5.5	



FIBREFLOW WEBFLEX



FibreFlow WEBFLEX is a product that is unique to Emtelle that has 12 microducts joined together in a 'branch' formation ideal for microtrenching. This design makes it easy to locate and branch any of the 12 microducts easily, with minimal disruption to the remaining microducts



Datasheet

CP4281

Scan QR code for datasheet



Design Details

Product dimensions	46.88mm x 27.01mm
Product weight	491g/m
Colour	Nat
Metal free	No
Minimum bend radius	35D
Maximum tensile load	4000N



FIBREFLOW VERTEX



FibreFlow Vertex is a range of tube bundles designed for installation into microtrench and slot cut installations. They are narrow to enable the trench width to be smaller, which increases trenching speed and therefore reduces costs.



Datasheet

CP1608

Scan QR code for datasheet



Description	Supply Length	Bundle OD (mm)
3 DBmf (Flat)	3000	12 x 32
4 DBmf (Flat)	4000	9 x 30
6 DBmf (Flat 2x3)	4000	15.5 x 22.5
6 DBmf (Flat 1x6)	2000	80 x 14.2
8 DBmf (Flat 2x4)	2000	26.2 x 50.2
16 DBmf	2000	6 x 16.2

Other Specifications available













DIRECT BURY (DB) - WITH FOIL



The assembly is surrounded with a 125µm aluminium layer, bonded inside a sheath of flexible black PE with a heavy duty orange coloured HDPE sheath making the product suitable for direct burial. Rip cords are pre-installed along the entire length, under the sheath, to rip through the aluminium and sheath using correct procedure.

Datasheet

MHT2802 Scan QR code for

datasheet



Outer	Diamete	er/Inner	Diameter	(m m)
2/0	1.4		0/0	

3/2.1	8/6
4/2.5	10/8
4/2.7	12/10
4/2.8	14/11.5
5/3.5	14/12
6/4.5	16/13
7/5.5	



DIRECT INSTALL (DI) - WITH FOIL



The assembly is surrounded with a 125µm aluminium layer, bonded inside a sheath of flexible black PE for direct-in-duct installation. A rip cord is pre-installed along the entire length, under the sheath, to rip through the aluminium and sheath using correct procedure.



Datasheet

MHT2800 Scan QR code for

datasheet



Outer Dia	meter/Inner	Diameter	(m m
-----------	-------------	----------	-------

3/2.1	8/6
4/2.5	10/8
4/2.7	12/10
4/2.8	14/11.5
5/3.5	14/12
6/4.5	16/13
7/5.5	



DIRECT INSTALL METAL FREE (DIMF)



The DIMF range of products are metal free for use in areas where aluminium foil is not an option. The products can be pulled into existing underground ducts. The products have great flexibility for ease of installation. Refer to specification MHT1772.



Datasheet

MHT2801

Scan QR code for datasheet



Outer Diameter/inner	Diameter (mm)	
3/2.1	8/6	
4/2.5	10/8	
4/2.7	12/10	
4/2.8	14/11.5	
5/3.5	14/12	
6/4.5	16/13	



AERIAL TUBE BUNDLE



Figure-8 construction with steel and glass reinforced strength member. All compatible fittings are available. In particular, it is essential that the customer verifies that existing or proposed cable supports (towers or poles) are sufficiently robust and suitable to carry the required clamps and cable.

7/5.5



Datasheet

MHT2681 Scan QR code for

datasheet



Outer	Diameter/Inner	Diameter	(111 111)
Outor	Diamatar/Innar	Diameter	(mm)

0 4 10 1 2 1 4 11 11 10 1 2 1 4 11 10 10 1 (11 11 1)	
3/2.1	8/6
4/2.5	10/8
4/2.7	12/10
4/2.8	14/11.5
5/3.5	14/12
6/4.5	16/13
7/5.5	







LOW FIRE HAZARD (LFH)



Assembly of LFH microducts, each with low friction performance and suitable for fibre blowing. Each assembly is surrounded with a sheath of LFH material suitable for indoor fire regulation use and giving excellent performance in fire scenario. LFH microducts are manufactured to meet IEC 60332-3 and IEC 60332-1 standards.



Datasheet

MHT2805 Scan QR code for

datasheet



Outer	Diameter/inner	Diameter	(mm)

4/2.5	8/6
5/3.5	8/5
5/2.1	8/4
6/3.8	10/6
7/5.5	12/8
7/4	14/10
7/3.5	16/12































(*)

HDPE DUCT

HDPE ducts offer high protection for telecommunication and power networks and protect cables such as optical fibre, copper or electricity cables against mechanical and chemical damage and for rodent protection. They are Ideally suited for direct burial into suitable prepared ground, or they can be pulled into existing underground ducts.

HDPE ducts act as ideal containment for telecommunication backbone networks where high capacities are needed or the option of subsequent installation with microducts is requested.

HDPE ducts are suitable for different underground installation methods such as open trench, moleploughing or HDD.

The pressure-tight design of HDPE ducts allows both the pulling in of microducts and microduct bundles and the blowing of microducts and cables with compressed air (duct-induct installation).

HDPE ducts can be manufactured according to regional standards and can have a ribbed or smooth low friction

bore. Our HDPE ducts guarantee the highest level of operational reliability, long service life, high load capacity and efficient storage.

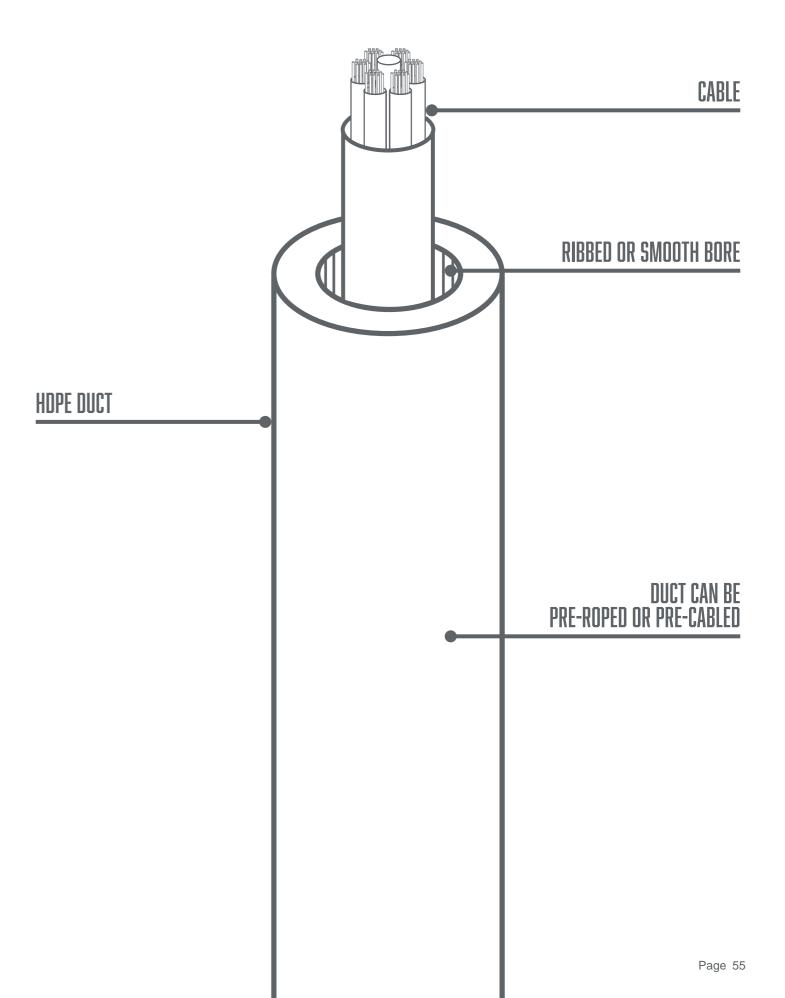
Page 52 TOGETHER EVERYTHING CONNECTS Page 53

- HDPE DUCTS OFFER HIGH PROTECTION FOR TELECOMMUNICATION AND POWER NETWORKS
- HDPE DUCTS ARE SUITABLE FOR DIFFERENT UNDERGROUND INSTALLATION METHODS
- AN INTERNAL BONDED LOW FRICTION DRY SILICONE LINER TO REDUCE FRICTIONAL CONTACT
- THE DUCT IS SUPPLIED IN COILS OR ON DRUMS
- PRE-CABLED OPTION WITH CUSTOMER SPECIFIC CABLES
- FLEXIBILITY, STRENGTH AND FUSED JOINTS ARE AS STRONG AS THE ORIGINAL DUCT ITSELF
- USED FOR TRENCHLESS INSTALLATIONS
- · CAN BE PRE-ROPED
- CAN BE SUPPLIED WITH MULTIPLE COLOURS OF DUCT ON ONE DRUM

Extensive Testing Optimal Blowing Best-in-Class Quality and approval **Performance** TESTED & **EM-LINER** Prime grade material Supplied on drums or Specially co-extruded in coils low-friction inner layer in or recycled options **HDPE Ducts** available Range of supply lengths **Designed for both blown Strict quality checks** Can be supplied with and pulled cables throughout manufacture multiple colours of duct on one drum **Reduces installation** Approved by multiple Telecoms operators in friction and costs Can be pre-roped **UK & Europe** Ribbed and smooth inner Full range of colours and bores available 3 manufacturing stripes. Sizes from 18mm locations for HDPE **HDPE Ducts available** up to 63mm **Ducts in Europe** for direct burial or installation into existing underground ducts



Our HDPE products are used to give protection to both cables and microducts.



HDPE DUCT

High Density Polyethylene (HDPE) ducts are used for the construction of underground duct system for both fibre optic and microducts in the telecommunication's network. The HDPE ducts are intended for protecting fibre optic cables installed by traditional pulling techniques.



Datasheet

MHT582 Scan QR code for

datasheet



Size OD/ID	SDR*	I.D. nom	MASS nom g/m	Max Install Tension kN/kg
18 / 14	9.0	14	96	0.9/90
25 / 20	10.0	20	170	1.7/170
31 / 25	10.3	25	252	2.5/250
35 / 30	14.0	30	247	2.5/250
40 / 35	16.0	35	280	2.7/270
50 / 43	14.3	43	486	4.8/480
60 / 50	12.0	50	824	8.2/820

^{*&#}x27;SDR' is the standard dimension ratio (OD / wall). Lower SDRs indicate heavy-duty sizes. Other configurations available on request



PRE-CABLED SUB DUCTS

Both traditional fibre optic and fibre mini-cables are available as a pre-installed product. Lengths of up to 10km are available dependent on the cable type and materials. Emtelle can produce various combinations of a single fibre cable in HDPE duct. This cable can be removed at a later date and upgraded as required.



Brochure

Scan QR code for brochure



			IVI I N I	wore	
			Trenching	Ploughing	Overhead
	Cable Type	Cable Diameter (mm)	HDPE Duct (OD)/(ID) (mm)	HDPE Duct (OD) (mm)	HDPE Duct (OD) (+ web) (mm)
	Fibre Bundle	1.1-1.6	8/3.5	16/10	6/2.7
-	Micro Cable	2.8	10/6	25/17	8/5
	Mini Cable	6 - 10.5	20/16	25/17	20/16
	Conventional Fibre Bundle	10 - 16	31/25	31/25	25/20

Other configurations available on request

LOOSE PROTECTED MICRODUCT

The loose protected microduct solution comprises a range of microduct that are composed of standard, strong HDPE tubing as the outer duct, with a super smooth silicone coating inside. This outer duct provides complete protection of cables before, during and after installation.



Subducts/ Microducts	5 m m	7 m m	10 m m	1 2 m m	1 4 m m	Supply length on drum
25/20.4	10	5	2	1	1	1000m
32/26	14	7	3	1	1	1000m
32/27	18	7	4	3	1	1000m
40/32.6	18	12	6	4	1	1000m
40/34	24	14	7	5	2	1000m
50/40.8	24	18	7	7	4	1000m
50/42	26	22	10	7	5	1000m
50/44	26	24	12	7	5	1000m
63/51.4	26	26	14	10	7	700m

Datasheet

Other configurations available on request

MHT2639





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ACCESSORIES

It takes more than fibre and ducts to build an extensive network and ensure its efficiency and effectiveness. Emtelle doesn't just offer a product - but a complete, quality solution. Our range of accessories complements and completes the full solution. We offer everything from closures & cabinets to marker pens to labels. All accessories are tested on compatibility – a network is only as strong as its smallest components.

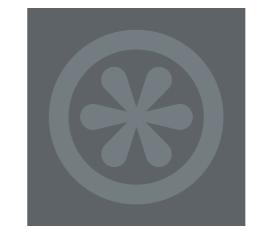










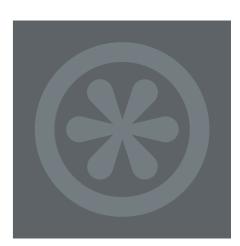














OVERHEAD FITTINGS

UNIVERSAL POLE BRACKET (UPB)

High mechanical strength aluminium alloy bracket for anchoring various aerial hardware onto all types of infrastructure poles.

Datasheet

UK DS 9246

Scan QR code for datasheet





MINI DROP CLAMP

Drop cable clamp featuring an all-plastic UV resistant body and toolless design. Used for securing a round aerial drop cables 3-4mm up to 70m spans.

Datasheet

UK DS 75467

Scan QR code for datasheet





GALVANISED HELICAL DROP CLAMP

Galvanised steel helical warped -dead end- cable clamp design to warp around aerial cables to tie-off cables onto pole brackets and drop anchoring points.

Datasheet

U K $_$ D S **Helical Dead End Clamp**

Scan QR code for datasheet





OVERHEAD FITTINGS

TRIANGULAR FITTING CLAMP

3-hole anchoring bracket that can be fix onto exterior surfaces by selecting appropriate screws. Used as a termination bracket for customer drop cable clamp.

Datasheet

UK DS 75362

Scan QR code for datasheet







EXPANDING BOLT 1A

I-bolt anchoring point that can be secured into a brick/concrete wall. Used as a termination bracket for customer drop cable clamp.

Datasheet

UK DS 75117

Scan QR code for datasheet







CABLE CLAMP

Wedge style cable clamp suitable for anchoring circular dropwires. Has tapered grip action using jaws that grip the insulation over the dropwire. Use predominantly on figure -8 aerial cables.

Datasheet

MHT2108









OVERHEAD FITTINGS

EXTENDED DROP CABLE BRACKET

4-hole anchoring bracket with extended anchor point for additional clearance of obstructions that can be fix onto exterior surfaces by selecting appropriate screws. Used as a termination bracket for customer drop cable clamp limited to 40m spans.

Datasheet

UK_DS_74644

Scan QR code for datasheet





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BOLT 16 X 300MM

Standard bolt set for securing aerial hardware onto poles with through holes greater then 16mm. Suitable for short span aerial hardware.

Datasheet

MHT2108

Scan QR code for datasheet





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OVERHEAD RING WITH TOP BOLT

Pole mounted halo style top ring for securing multiple customer drop cable clamps in multiple directions.

Datasheet

MHT2108

Scan QR code for datasheet





OVERHEAD FITTINGS

FIBRE LOCKING MECHANISM

Secure and isolate ULW style cable elements between cable span and splice closure. Evenly spread cable tension over all cable elements.

Datasheet

UK DS 74523

Scan QR code for datasheet





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STEEL BANDING

Steel banding for securing aerial hardware and splice closures onto poles.

Datasheet

MHT2108

Scan QR code for datasheet





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BUCKLES FOR BANDING (BIB20)

Steel banding buckles for securing aerial hardware and splice closures onto poles.

Datasheet

MHT2108









OVERHEAD FITTINGS/MICRODUCT CONNECTORS & SEALING

TENSIONING TOOL BTS

Steel banding tool for securing aerial hardware and splice closures onto poles.

Datasheet

MHT2108

Scan QR code for datasheet





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ELF9

Fibre lock system to eliminate lateral movement of terminated microcables due to vibration or thermal expansion / contraction of the duct system. Design specifically for Emtelle FibreFlow products.

Datasheet

UK_DS_ELF

Scan QR code for datasheet









CONNECTORS, END, REDUCERS

Clear push-fit tube connectors, end caps and reducer connectors suitable for use with FibreFlow microduct to ensure a seamless and airtight connection while blowing fibre cable or microcable.

Datasheet

U K _ D S _ JGPushfitconn

Scan QR code for datasheet





MICRODUCT CONNECTORS & SEALING

GAS BLOCK

Gas Block connectors provides an in-line seal between the connector, tube and fibre cable preventing gas and water from entering the cable system and leaking into unwanted areas.

Datasheet

U K _ D S _ JGGasBlock

Scan QR code for datasheet







FIBRE AND MICROCABLE SEAL

Split gas / water block tube end seal for installation on new and existing infrastructure to prevent gas and water for entering the cable system. Small form factor tubes and cables seals.

Datasheet

UK_DS_71175

Scan QR code for datasheet







DUCT SEALING

Split gas / water block tube end seal for installation on new and existing infrastructure to prevent gas and water for entering the cable system.

Datasheet

UK DS 71161









MICRODUCT CONNECTORS & SEALING

PUSH-FIT CONNECTOR

Clear push-fit tube connectors suitable for use with FibreFlow microduct to ensure a seamless and airtight connection while blowing fibre cable.

Datasheet

U K _ D S _ TCONNECTOR

Scan QR code for datasheet





CONNECTORS, END, REDUCERS

Clear push-fit tube connectors, end caps and reducer connectors suitable for use with FibreFlow microduct to ensure a seamless and airtight connection while blowing fibre cable.

Datasheet

UK_DS_9916

Scan QR code for datasheet





PROTECTED CONNECTORS, END CAPS

Clear push-fit tube connectors and end caps with rugged protected cover / tube lock suitable for use with FibreFlow microduct to ensure a seamless and airtight connection while blowing fibre cable.

Datasheet

UK_DS_70169

Scan QR code for datasheet





CONNECTORS & BLOWING EQUIPMENT

COMPRESSION CONNECTORS

Compression connectors are designed to provide a suitable joint and seal between lengths of HDPE duct, for blowing purposes.

Datasheet

UK DS 7891

Scan QR code for datasheet







FIBRE INSTALLATION GUN (F.I.G.)

Designed with the drop fibre installer in mind, the patented F.I.G. is a lightweight, battery-powered compact blowing gun.

Datasheet

UK DS 74909

Scan QR code for datasheet







ACCELAIR 2

AccelAir2 cable blowing machine. Electrical motor with maximum installation speed of 100meters per minute while operating at 15bar pressure.

Datasheet

UK_DS_74773









BLOWING EQUIPMENT MINIJET

Minijet P400 cable blowing machine. Pneumatic drive motor suitable for installing larger and heavier cable into duct systems via air or water jetting / blown.

Datasheet

UK_DS_70521

Scan QR code for datasheet





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AIRSTREAM

Airstream cable blowing machine. Electrical drive motor suitable for installing medium sized cable into duct systems. Supports diameters of 5mm to 18mm duct with 2.5mm to 11mm cable.

Datasheet

UK_DS_70899

Scan QR code for datasheet







AIR-FLOW METER KIT

Air-Flow meter kit with all accessories required to measure the air flow in a microduct system. Adequate air flow is required to ensure a cable can be blown into a duct system.

Datasheet

UK_DS_7778
Scan QR code for





BLOWING EQUIPMENT PAN GUIDE

Mechanical guide that can be easily attached to a FibreFlow blowing pan. The guide ensures a steady feed of microcables during cable blowing and eliminates snags that can cause damage to the microcables.

Datasheet

UK_DS_7851

Scan QR code for datasheet







INVERSION RING

The inversion ring is a FibreFlow tool specifically made for FibreFlow blowing pans. This tool ensures a seamless connection between 2 pans during a fibre inversion procedure.

Datasheet

UK_DS_7012

Scan QR code for datasheet







INVERSION RING CLAMP

The inversion ring clamp is a FibreFlow tool specifically made for FibreFlow blowing pans. This tool secures 2 pans together during a fibre inversion procedure.

Datasheet

UK DS 7788

Scan QR code for datasheet









datasheet

COMMSCOPE SPLICE ENCLOSURES

FIST-EDSA™

CommScope FIST-EDSA fibre optical splice and patch closure. The closure is a bespoke solution for termination and patch customer connection onto pre-installed internal patch panel. The panel support up to 48 customer connections.

Datasheet

UK_DS_FIST-**EDSA**

Scan QR code for datasheet



COMMSCOPE®



TENIOTM

CommScope TENIO fibre optical splice closure with fast toolless mechanical cable sealing. Modular design to suite a wide range of cable and splicing application.

Datasheet

UK DS TENIO

Scan QR code for datasheet







OFDC

CommScope OFDC fibre optical splice closure range is designed to support a wide range of distribution and drop cable. Modular and suitable for splicing or connectorised drop cable. Compact design suitable for aerial or underground deployment.

Datasheet

UK_DS_OFDC

Scan QR code for datasheet





COMMSCOPE SPLICE ENCLOSURES **FLAT-FIST™**

The FIST GC02-F is a generic environmentally sealed enclosure for the fibre management system that provides the functions of splice and passive component integration in the external network.

Datasheet

UK_DS_GC02F

Scan QR code for datasheet









FIST-MSC™

This innovative closure is specially designed to give customers the freedom to respond to future changes while delivering unparalleled reliability.

Datasheet

UK DS FIST-MSC









MICRODUCT CLOSURES AND MANAGEMENT **EMTELLE TOBY BOX**

The Emtelle Toby Box is a compact access point from where a technician can easily maintain and install customer connection infrastructure. The underground box can be used to store excess cable slack or fit a compact splice closure.

Datasheet

UK DS 71735

Scan QR code for datasheet





EM-WRAP SINGLE LAYER IP67 RATED

EM-Wrap product is designed to be quick and easy to install. It offers protection to exposed microducts and tube connectors when performing a tube breakout. It also offers ingress protection to the exposed system.

Datasheet

UK_DS_75128

Scan QR code for datasheet







EM-WRAP DOUBLE LAYER 1967 RATED

EM-Wrap product is designed to be quick and easy to install. It offers protection to exposed microducts and tube connectors when performing a tube breakout. It also offers ingress protection to the exposed system.

Datasheet

UK DS 75129

Scan QR code for datasheet





MICRODUCT CLOSURES AND MANAGEMENT

EM-BEND MANAGER

EM-Bend product is designed to be quick and easy to install only using cable ties. It offers a smooth 90 degree bend while protecting the tube connector for optimal cable blowing performance. Can also be used as an L-branch or a T-branch (put 2 L-parts together).



UK DS 75444

Scan QR code for datasheet





H-BRANCH

FibreFlow H-Branch closure is a protective closure to manage and distribute microducts. The closure offers superior ingress protection with 4 large diameter port.

Datasheet

UK DS 72279

Scan QR code for datasheet







CLO1 CLOSURE

FibreFlow CLO1 closure is a protective closure to manage and distribute microducts. The closure offers superior ingress protection with 4 large diameter port. Slightly more compact then the H-Branch this solution mostly used to connect customer drop ducts.

Datasheet

UK DS 9501







MICRODUCT CLOSURES AND MANAGEMENT

EMU BOX

Emtelle have designed and constructed the EMU box to suit many requirements for FTTH and FTTP projects.

Datasheet

UK_DS_72792

Scan QR code for datasheet





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EM-MARKER

The EM-Marker is a compliant telecommunication underground marker that is placed underground to easily trace key points of infrastructures. Other uses include being used as an end cap or with the EM-Bend.

Datasheet

UK DS 75178

Scan QR code for datasheet







MJC

An in-line enclosure used for the blown fibre joint applications. Can be used in aerial and wall mounted scenarios.

Datasheet

UK DS MJC

Scan QR code for datasheet





MICRODUCT CLOSURES AND MANAGEMENT TUBE DISTRIBUTION CLOSURE (TDC)

FiberFlow tube distribution closure is a protective closure to manage and distribute microducts. The closure allows for easy routing in almost any direction through its 7 ports. High impact resistance allows for direct buried application.

Datasheet

UK_DS_7514

Scan QR code for datasheet







EXTERNAL CUSTOMER LEAD IN (SMALL)

External trucking and through wall protection of fibre optical customer drop cable. The solution offers an aesthetically pleasing installation while functionally protecting infrastructure.

Datasheet

UK_DS_71501

Scan QR code for datasheet







EXTERNAL CUSTOMER LEAD IN (LARGE)

External trucking and through wall protection of fibre optical customer drop cable. The solution offers an aesthetically pleasing installation while functionally protecting infrastructure.

Datasheet

UK_DS_71503





MICRODUCT CLOSURES AND MANAGEMENT CTU 1.0 (SPLICE)

The CTU closure is a compact access point from where a technician easily maintain and install customer connection infrastructure. The wall mounted closure can be used to store excess cable slack and support a splice connection.

Datasheet

UK_DS_CTU
Scan QR code for

datasheet





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CTU 1.5 (PATCH)

The CTU closure is a compact access point from where a technician easily maintain and install customer connection infrastructure. The wall mounted closure can be used to store excess cable.

Datasheet

UK_DS_CTU

Scan QR code for datasheet







BUDI BOX

The BUDI Box is a fibre optic wall mount enclosure, with single element FIST splice trays for SMOUV splices.

Datasheet

UK_DS_BUDI-FIST

Scan QR code for datasheet





MICRODUCT CLOSURES AND MANAGEMENT 3 PORT FIBREFLOW ITFP

Internal breakout closure for easy routing of internal microducts inside a building riser or cable tray while offering bend protection and connector protection.

Datasheet

UK_DS_7258

Scan QR code for datasheet







4 PORT FIBREFLOW ITFP

Internal breakout or distribution closure for easy routing of internal microducts inside a building riser or cable tray while offering bend protection and connector protection.

Datasheet

UK DS 7217

Scan QR code for datasheet







Y-BRANCH (INTERNAL)

Internal Y-shaped closure for deviation microtube in separate directions inside a building riser or cable tray while offering bend protection and connector protection.

Datasheet

UK DS 9018







MICRODUCT CLOSURES AND MANAGEMENT

INTERNAL TDC

FibreFlow tube distribution closure is a protective closure to manage and distribute microducts. The closure allows for easy routing in almost any direction through its 7 ports. Flame retardant material allows for use inside a building riser or cable trays.

Datasheet

UK DS 70283

Scan QR code for datasheet





Customer Connection Point (CCP) providing a fibre termination point inside a residential property. The CCP comes complete with a preinstalled pigtail, connector and adaptor.

Datasheet

UK_DS_74428

Scan QR code for datasheet







CCP+DROP

Complete internal home connect solution - pre-installed internal drop cable with customer connection point (CCP). Fully assemble for increased quality assurance and a fast reliable deployment.

Datasheet

UK DS DROP-**CABLE-HOME**

Scan QR code for datasheet

Page 78





CABINET & LOCKING MANAGEMENT

CABINET

CommScope FTTH cabinet designed for dense distribution of customer connection and large distribution cable. The Internal frame uses an initiative FIST closure routing and splice trays. Customer connections can be directly spliced or distributed though the LGX splitter modules.

Datasheet

UK DS FTTH **Cabinets**

Scan QR code for datasheet







SMARTLOCK INTELLIGENT LOCK & KEY



to operators and their networks. It allows a cabinet and closure to be protected and only accessed through a dedicated key. Includes GPS tracking and is IP67 rated.

Datasheet

Datasheet **Smartlock**











TOOLS & CONSUMABLES

Building up an FTTH network does not end with the products. The key is a proper and professional installation on-site. To support our customers during installation, Emtelle offers installation training and the tools and consumables to assist in a smooth installation. Our blowing equipment is thoroughly tested and suited for use with our ducts and cables. Our tooling equipment allows the preparation of fibre optic splices or the branching of microduct bundles efficiently and correctly.





























SHEATH STRIPPER 4.5-40MM

Suitable for making circumference cuts on cable and microducts. The tool has a plastic body with a changeable spring loaded "V" anvil to attach it to the cable. The cutting blade is adjustable for depth with a capacity of 4.5-40mm.

Datasheet

UK_DS_9728

Scan QR code for datasheet





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METAL FREE CUTTER 1DB

Strips round tube bundles in the range of 8-13mm.

Datasheet

UK_DS_7794

Scan QR code for datasheet





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SNIPS

Diagonal cutters provide clean cutting of metal products, direct bury sheaths and fillers as used in conjunction with FibreFlow products.

Datasheet

UK DS 9344

Scan QR code for datasheet





PLIERS

Small combination pliers with cutter.

Datasheet

UK_DS_7301

Scan QR code for datasheet





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RETRACTABLE KNIFE

Retractable blade for safe operation.

Datasheet

UK_DS_7069

Scan QR code for datasheet





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DISMANTLING KNIFE

Tool used to strip off the outer sheath of a thin walled DB tube bundle.

Datasheet

UK_DS_70935







LONGITUDINAL SHEATH STRIPPER

The longitudinal sheath stripper has been designed to remove the outer sheath from DB tube bundle. There are four blade depth settings on the tool and it is supplied with two guards giving 12 possible blade depths.

Datasheet

UK_DS_7001

Scan QR code for datasheet





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HEAVY DUTY KEVLAR SCISSORS

These heavy duty scissors can be used to cut many products including kevlar strength strands.

Datasheet

UK_DS_7039

Scan QR code for datasheet





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ROTATIONAL SHEATH STRIPPER

The rotational sheath stripper is designed to strip the outer sheaths from jacketed cables. The depth of the cut is fully adjustable reducing the risk of damaging any sub units within an assembly.

Datasheet

UK_DS_7071

Scan QR code for datasheet





MICRODUCT ROTATIONAL CUTTER

Handheld tool suitable for stripping cable jackets, cable sub assemblies and microduct both longitudinally and circumferentially.

Datasheet

UK DS 7299

Scan QR code for datasheet





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SMALL MICRODUCT ROUNDING TOOL PK4

When using the FibreFlow system it is essential that when the microduct is connectorised, the microduct itself has been prepared correctly.

Datasheet

UK_DS_7949

Scan QR code for datasheet







LARGE MICRODUCT ROUNDING TOOL

This simple tool allows you to round any microducts ranging from 14 – 18mm OD after cutting and before adding a connector.

Datasheet

UK DS 71437







PRIMARY TUBE CUTTER

This tool gives a clean, straight cut to the FibreFlow microduct before inserting into a connector. Suitable for up to 12mm.

Datasheet

UK_DS_7014

Scan QR code for datasheet





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42MM HEAVY DUTY CUTTERS

This cutter has been designed to cut ducts and tube bundles up to an OD of approximately 42mm.

Datasheet

UK_DS_7068

Scan QR code for datasheet





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63MM HEAVY DUTY CUTTERS

These cutters have been designed to cut ducts and tube bundles up to 63mm.

Datasheet

UK DS 9346

Scan QR code for datasheet





THICK WALL MICRODUCT CUTTER

Tool used to cut thick micro walled microduct.

Datasheet

UK_DS_70768

Scan QR code for datasheet





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FIBRE STRIPPER

Suitable for stripping the outer jacket of Emtelle's 2/4 microcable and aides in the removal of the underlying resin.

Datasheet

UK_DS_9342

Scan QR code for datasheet





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STRIPPER FIBRE 10A

The stripper 10A is designed to strip 250 micron buffer from primary coated fibres.

Datasheet

UK DS 7335







MINICABLE SHEATH STRIPPER

The minicable sheath stripper longitudinally slits the minicable sheath in diametrically opposite locations to expose the individual loose tube elements. The sheath stripper can have either single or double cassettes to cater for different minicable diameters

Datasheet

UK_DS_73655

Scan QR code for datasheet





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MINICABLE SHEATH STRIPPER

The millar jacket stripping tool is designed to strip the outer sheath from tight jacket Cables/Microcables.

Datasheet

UK_DS_7562

Scan QR code for datasheet







WEB SLITTING TOOL

Suitable for slitting the web on Emtelle's figure 8 aerial tube assemblies.



UK_DS_9418

Scan QR code for datasheet





COMPLETE FIBREFLOW TOOL BOX

The FibreFlow toolbox contains all the basic FibreFlow tools.

Datasheet

UK_DS_7833

Scan QR code for datasheet





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MSAT FIBRE STRIPPING TOOL

MSAT is a fibre stripping tool that eliminates the struggle of stripping fibre by hand and allows easy access to the fibre beneath the outer jacket.

Datasheet

UK_DS_75345









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