

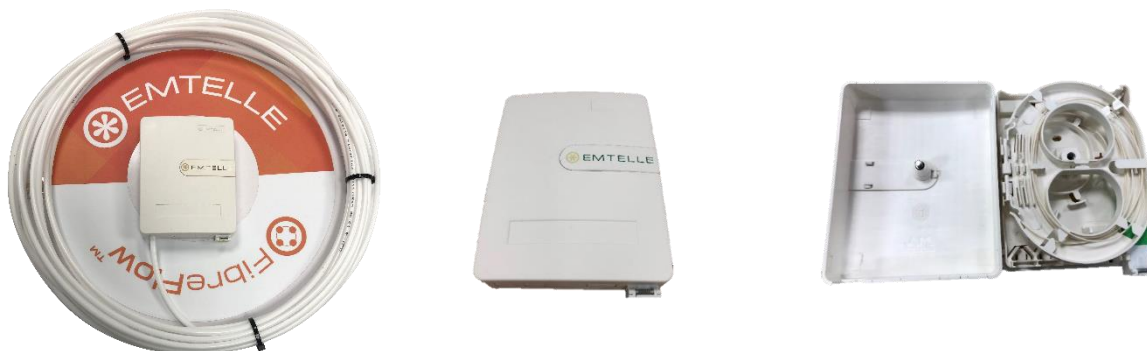
## UK DS Drop Cable for Home Preliminary Datasheet

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### Customer Connection Point with length of drop cable.



#### Product Description

A Customer Connection Point (P/C 74428) with a choice of either a 3mm CPR Cca rated cable (once testing has been carried out) or a 4.9mm over sheathed 3mm cable. The fibre will be spliced onto a fibre connector and then inserted into the Customer Connection Point.

#### Application

Used to provide a fibre termination point within a residential property. The customer connection point comes complete with pre-installed pigtail, connector, and adaptor.

#### Features

- Body Manufactured from Self-extinguishing ABS UL-0.
- Can be fitted directly to a wall or a standard UK 1-gang back box.
- Compact design.
- Available space to accommodate second pigtail with connector and adaptor.
- Room to accommodate 2x Fusion Splices.
- Room for Excess fibre storage.
- Company Logo to suit customer requirements.
- Modern Design.

#### Material & Technical data

Dimensions – w x h x d	83mm x 105mm x 25mm
Main Body Material	Self-extinguishing ABS UL-0
Body Securing Screw	M4 Stainless Steel
Pre-installed pigtails	G657A2 with B grade SC/APC with connector and adaptor (Duplex LC also available)

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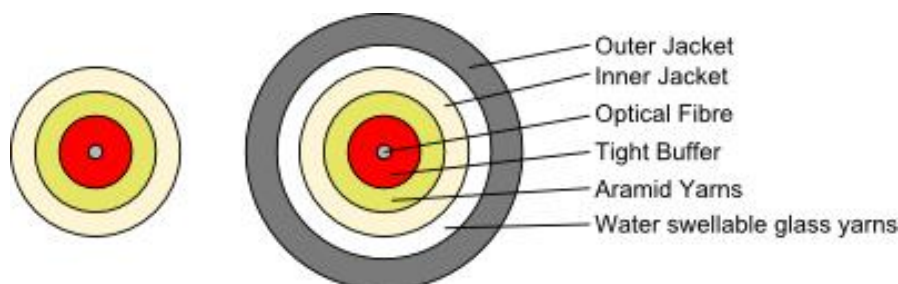
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### Cable Specifications



Cable consists of one tight buffered fibre. Aramid yarns are laid over the fibre. Inner jacket is made of halogen free material. Water swellable glass yarns are laid over inner jacket. Outer jacket is made of MDPE. Colour of outer jacket is black.

### Tight Buffered fibre colour identification

No.	Colour
1	Red

Other colours of tight buffer and external jacket upon request.

### Design Details

Fibre Count	Cable Diameter, mm	Cable weight, kg/km	Minimum bending radius of the cable, mm
1	3.0	-	30
1	4.9	21.6	49

### Operating Parameters

Operating Temperature	-10°C... +50°C
Installation Temperature	-10°C... +50°C
Transportation and storage temperature	-50°C... +50°C
Minimum bending radius of the cable	10 diameters of cable
Life Time	25 years

### Optical Fibre Single-mode

Fibre Type	«G.657.A1»
Fibre Brand	Clear Curve XB
ITU-T Recommendation	G.657.A1
Dimensional Specification	
Core-Clad Concentricity	0.5µm
Cladding Diameter	125±0.7µm
Cladding Non-Circularity	0.7%
Coating Diameter	242±5µm

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## Transmission specification

Attenuation in the cable (dB/km):	
1310nm wavelength	0.35
1550nm wavelength (Typical*/Max)	0.20/0.30

\*Typical attenuation is the real level of optical attenuation of at least 90% fibres after cabling.

## Cable Parameters

Parameter	Nominal Value	Evaluation Criterion
Tensile strength (IEC 60794-1-2 method E1)	900 N	- $\Delta\alpha^* \leq 0,05$ dB - no damage
Crush (IEC 60794-1-2 method E3)	50 N/cm	
Repeated bending (IEC 60794-1-2 method E6)	20 cycles, bending radius $\pm 90^\circ$	
Torsion (IEC 60794-1-2 method E7)	- 10 cycles - torsion angle $\pm 360^\circ$ length 4 m	
Impact (IEC 60794-1-2 method E4)	Impact energy 1 J	
Temperature cycling** (IEC 60794-1-2 method F1)	- temperature range from -10 to 50°C - 2 cycles - cycle period $\geq 16$ hours	$\Delta\alpha \leq 0,05$ dB/km

\*-attenuation increasing at standard wavelengths.

\*\*-other temperature range upon request.

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