

## Draka UC Connectivity

### Draka UC Fibre Singlemode Patch Cord – LC to LC



#### Overview

- Robust and flexible
- Low loss connectors
- Zirconia Ceramic PC Ferrules
- Machine polished and all factory tested
- Available in other connector configurations
- Bend insensitive construction G657.A1



#### Product Description

The Draka range of LC Duplex patch cords provide an optimised solution for most applications, including enterprise, LAN and Datacom, whilst providing flexible inter-connectivity to active equipment, passive optical devices and cross-connects. Terminated with optimised physical contact connectors, and manufactured with precision factory mounting and polishing techniques, they ensure the highest transmission quality.

#### Product Specification

Fibre Type	Singlemode G657a1
Number of Cores	2
Outer diameter sheath single fibre	3.0mm
Cable type	Duplex
Type of connector connection 1	LC
Type of connector connection 2	LC
Outer sheath colour	Yellow
Strain relief boot	White/Push-on

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## Cable Specification

<b>Cable Construction</b>	Duplex zip-twin
<b>Number of Fibres</b>	2
<b>Cable Dimensions</b>	3.0*6.2mm
<b>Colour</b>	Yellow
<b>Strength Members</b>	Aramid Yarn
<b>Temperature Range</b>	-20C to +70C
<b>Connector Material</b>	Composite
<b>Minimum Bend Radius</b>	10D
<b>Connector Ferrule</b>	1.25mm Zirconium ceramic
<b>Ferrule End Face</b>	UPC Polish
<b>Connector Insertion Loss</b>	<0.25dB
<b>Return Loss</b>	≥55dB

## Fibre Specification

<b>Core Diameter</b>	9/125
<b>Second Coating Diameter</b>	900um nominal
<b>Max. Attenuation at 1310nm</b>	0.4 dB/km
<b>Max Attenuation at 1550nm</b>	0.3 dB/km
<b>Refractive Index at 1310nm</b>	1.466
<b>Numerical Aperture</b>	8.3~10um

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<b>Zero Dispersion Wavelength</b>	1300~1324nm
<b>10 turns around a mandrel of 30 mm diameter</b>	≤0.25
<b>10 turns around a mandrel of 30 mm diameter</b>	≤1.0
<b>1 turn around a mandrel of 20 mm diameter</b>	≤0.75
<b>1 turn around a mandrel of 20 mm diameter</b>	≤1.5
<b>Coating Strip Force (typical)</b>	≥1.3 ≤8.9
<b>Coating Strip Force (peak)</b>	1.7

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## Standards Complied

<b>IEC 60793-1-1:2017</b>	Optical fibres - Part 1-1: Measurement methods and test procedures - General and guidance
<b>IEC 60793-2:2015</b>	Optical fibres - Part 2: Product specifications - General
<b>IEC 60793-2-10:2017</b>	Sectional specification for A1 multimode fibres
<b>IEC 60793-1-20:2014</b>	Optical fibres - Part 1-20: Measurement methods and test procedures - Fibre geometry
<b>IEC 60793-1-21:2001</b>	Optical fibres - Part 1-21: Measurement methods and test procedures - Coating geometry
<b>IEC 60793-1-22:2001</b>	Optical fibres - Part 1-22: Measurement methods and test procedures – Length measurement
<b>IEC 60793-1-30:2010</b>	Optical fibres - Part 1-30: Measurement methods and test procedures - Fibre proof test
<b>IEC 60793-1-31:2010</b>	Optical fibres - Part 1-31: Measurement methods and test procedures - Tensile Strength
<b>ITU G.651.1</b>	Characteristics of a 50/125 µm multimode graded index optical fibre cable for the optical access network
<b>EN 50173-1:2011</b>	Information technology. Generic cabling systems - General requirements
<b>EN 50173-2:2007 + A1:2010</b>	Information technology. Generic cabling systems - Office premises
<b>IEC 61754-1:2013</b>	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 1: General and guidance
<b>IEC 61754-2:1996</b>	Fibre optic connector interfaces - Part 2: Type BFOC/2,5 connector family
<b>IEC 61754-4:2013</b>	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 4: Type SC connector family
<b>IEC 61754-4-100:2015</b>	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces – Part 4-100: Type SC connector family - Simplified receptacle SC-PC connector interfaces
<b>RoHS</b>	Restriction of Hazardous Substances Directive 2011/65/EU & 2015/863/EU
<b>REACH</b>	Regulation (EC) No 1907/2006 - Registration, Evaluation, Authorisation and Restriction of Chemicals EC1907/2006

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## Product Ordering Information

Draka P/N	Description
YPCSC03556	LC - LC Duplex 2.8mm 9/125 OS2 Patch Cord 1m - Yellow
YPCSC03557	LC - LC Duplex 2.8mm 9/125 OS2 Patch Cord 2m - Yellow
YPCSC03558	LC - LC Duplex 2.8mm 9/125 OS2 Patch Cord 3m - Yellow
YPCSC03559	LC - LC Duplex 2.8mm 9/125 OS2 Patch Cord 5m - Yellow
YPCSC03560	LC - LC Duplex 2.8mm 9/125 OS2 Patch Cord 10m - Yellow

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