

Draka UC Connectivity

Draka UC Fibre Multimode OM3 Patch Cord – SC to SC



Overview

- Robust and flexible
- Multimode OM3 50/125
- Low loss connectors
- Zirconia Ceramic PC Ferrules
- Machine polished and all factory tested
- Available in other connector configurations

Product Description

The Draka range of SC Duplex patch cords provide an optimised solution to 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	Multimode 50/125 (OM3)
Number of Cores	2
Outer diameter sheath single fibre	3mm
Cable type	Duplex
Type of connector connection 1	SC
Type of connector connection 2	SC
Outer sheath colour	Aqua
Strain relief boot	White/Push-on/Aqua Push on

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Cable Specification

Cable Construction	Duplex zip-cord
Number of Fibres	2
Cable Dimensions	3.0*6.2mm
Colour	Aqua
Strength Members	Aramid Yarn
Temperature Range	-20C to +60C
Connector Material	Composite
Minimum Bend Radius	10D
Connector Ferrule	2.5mm Zirconium ceramic
Ferrule End Face	PC Polish
Connector Insertion Loss	<0.25dB
Return Loss	N/A

Fibre Specification

Core Diameter	50 ± 2.5µm (OM3)
Second Coating Diameter	900µm nominal
Max. Attenuation at 850nm	3.5 dB/km
Max Attenuation at 1300nm	1.5 dB/km
Refractive Index at 850nm	1.482
Bandwidth at 850nm	1500 MHz.km

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Bandwidth at 1300nm	500 MHz.km
Effective Modal Bandwidth at 850nm	2000 MHz.km
Numerical Aperture	0.200 ±0.015
Zero Dispersion Wavelength	1295-1340nm
Macrobending Loss - 100 turns, 37.5mm Radius, 850nm	≤0.50dB
Macrobending Loss - 100 turns, 37.5mm Radius, 1300nm	≤0.50dB
Macrobending Loss - 2 turns, 15mm Radius, 850nm	≤1.0dB
Macrobending Loss - 2 turns, 15mm Radius, 1300nm	≤1.0dB
Coating Strip Force (typical)	1.5N
Coating Strip Force (peak)	1.0 – 9.0N

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Standards Complied

IEC 60793-1-1:2017	Optical fibres - Part 1-1: Measurement methods and test procedures - General and guidance
IEC 60793-2:2015	Optical fibres - Part 2: Product specifications - General
IEC 60793-2-10:2017	Sectional specification for A1 multimode fibres
IEC 60793-1-20:2014	Optical fibres - Part 1-20: Measurement methods and test procedures - Fibre geometry
IEC 60793-1-21:2001	Optical fibres - Part 1-21: Measurement methods and test procedures - Coating geometry
IEC 60793-1-22:2001	Optical fibres - Part 1-22: Measurement methods and test procedures – Length measurement
IEC 60793-1-30:2010	Optical fibres - Part 1-30: Measurement methods and test procedures - Fibre proof test
IEC 60793-1-31:2010	Optical fibres - Part 1-31: Measurement methods and test procedures - Tensile Strength
ITU G.651.1	Characteristics of a 50/125 µm multimode graded index optical fibre cable for the optical access network
EN 50173-1:2011	Information technology. Generic cabling systems - General requirements
EN 50173-2:2007 + A1:2010	Information technology. Generic cabling systems - Office premises
IEC 61754-1:2013	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 1: General and guidance
IEC 61754-2:1996	Fibre optic connector interfaces - Part 2: Type BFOC/2,5 connector family
IEC 61754-4:2013	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 4: Type SC connector family
IEC 61754-4-100:2015	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces – Part 4-100: Type SC connector family - Simplified receptacle SC-PC connector interfaces
RoHS	Restriction of Hazardous Substances Directive 2011/65/EU & 2015/863/EU
REACH	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
YPCSC03551	ST - ST Duplex 2.8mm 50/125 OM3 Patch Cord 1m - Aqua
YPCSC03552	ST - ST Duplex 2.8mm 50/125 OM3 Patch Cord 2m - Aqua
YPCSC03553	ST - ST Duplex 2.8mm 50/125 OM3 Patch Cord 3m - Aqua
YPCSC03554	ST - ST Duplex 2.8mm 50/125 OM3 Patch Cord 5m - Aqua
YPCSC03555	ST - ST Duplex 2.8mm 50/125 OM3 Patch Cord 10m - Aqua

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