

Draka UC Connectivity

Draka UC Fibre Multimode OM4 Patch Cord – SC to SC



Overview

- Robust and flexible
- Multimode OM4 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 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 (OM4)
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	Erika Violet
Strain relief boot	Beige

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Cable Specification

Cable Construction	Duplex zip-cord
Number of Fibres	2
Cable Dimensions	3.0*6.2mm
Colour	Erika Violet
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 (OM4)
Second Coating Diameter	900µm nominal
Max. Attenuation at 850nm	2.4 dB/km
Max Attenuation at 1300nm	0.6 dB/km
Refractive Index at 850nm	1.482
Bandwidth at 850nm	3500 MHz.km

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Bandwidth at 1300nm	500 MHz.km
Effective Modal Bandwidth at 850nm	4700 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

New Draka P/N	Description
YPCSC03531	SC - SC Duplex 2.8mm 50/125 OM4 Patch Cord 1m - Violet
YPCSC03532	SC - SC Duplex 2.8mm 50/125 OM4 Patch Cord 2m - Violet
YPCSC03533	SC - SC Duplex 2.8mm 50/125 OM4 Patch Cord 3m - Violet
YPCSC03534	SC - SC Duplex 2.8mm 50/125 OM4 Patch Cord 5m - Violet
YPCSC03535	SC - SC Duplex 2.8mm 50/125 OM4 Patch Cord 10m - Violet

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