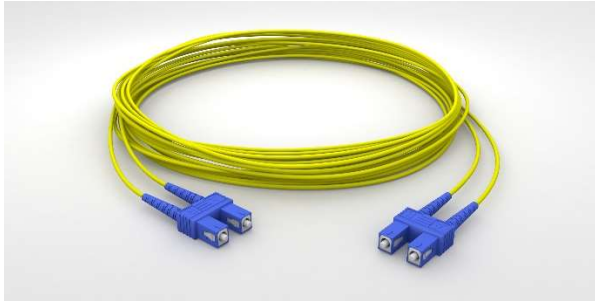


Draka UC Connectivity

Draka UC Fibre Singlemode Patch Cord – SC to SC



Overview

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



Product Description

The Draka range of SC 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	SC
Type of connector connection 2	SC
Outer sheath colour	Yellow
Strain relief boot	Blue push on

© PRYSMIAN GROUP 2020, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian. The information is believed to be correct at the time of issue. Prysmian reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian.

Cable Specification

Cable Construction	Duplex zip-twin
Number of Fibres	2
Cable Dimensions	3.0*6.2mm
Colour	Yellow
Strength Members	Aramid Yarn
Temperature Range	-20C to +70C
Connector Material	Composite
Minimum Bend Radius	10D
Connector Ferrule	2.5mm Zirconium ceramic
Ferrule End Face	UPC Polish
Connector Insertion Loss	<0.25dB
Return Loss	≥55dB

Fibre Specification

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

© PRYSMIAN GROUP 2020, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian. The information is believed to be correct at the time of issue. Prysmian reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian.

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

© PRYSMIAN GROUP 2020, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian. The information is believed to be correct at the time of issue. Prysmian reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian.

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

© PRYSMIAN GROUP 2020, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian. The information is believed to be correct at the time of issue. Prysmian reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian.

Product Ordering Information

New Draka P/N	Description
YPCSC03561	SC - SC Duplex 2.8mm 9/125 OS2 Patch Cord 1m - Yellow
YPCSC03562	SC - SC Duplex 2.8mm 9/125 OS2 Patch Cord 2m - Yellow
YPCSC03563	SC - SC Duplex 2.8mm 9/125 OS2 Patch Cord 3m - Yellow
YPCSC03564	SC - SC Duplex 2.8mm 9/125 OS2 Patch Cord 5m - Yellow
YPCSC03565	SC - SC Duplex 2.8mm 9/125 OS2 Patch Cord 10m - Yellow

© PRYSMIAN GROUP 2020, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian. The information is believed to be correct at the time of issue. Prysmian reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian.