

Patchcables / Jumper cables

Multimode / Singlemode Patchcables Grade B
Simplex / Duplex - All range



(pictures for reference purposes only)

Product description

All range Patchcables are available in several options and configurations in terms of optical fibre and connector types.

Produced in compliance with ANSI/TIA/EIA-568.C.3 about material specifications

Opticonnect® patchcables are 100% inspected during and after their production process. In which the geometry of their components (optic fiber and connectors) may concern, with the only purpose of assuring the best performance and quality.

Features

- Low insertion loss
- High return loss
- Free floating ceramic ferrule
- UL-rated plastic housing and boot
- Boot in corresponding colors
- High precision alignment
- RoHS 3 compliance
- Grade B

Applications

- Local Area Networks (LAN)
- Wide Area Networks (WAN)



All product specifications are subject to change without notice to improve reliability, function or design or otherwise.

Opticonnect SYSTEMS B.V., an Optical Networking vendor with its headquarters in the Netherlands, provides Optical Transport solutions and Optical Transceivers at the best price performance ratio possible. Our goal is to simplify the planning, deployment and maintenance of

complex Optical Networks. This is achieved by our user friendly planning apps and information, sophisticated products and transparent support. Relying on our superior product quality, all items are supplied with life time warranty.



Ordering information *

Partnumber	Description
OPT-PC-LCUSCUSXSM-020	Patchcable LC/UPC-SC/UPC Simplex SM G657.A1 2m Color Yellow
OPT-PC-LCUSCUSXSM-030	Patchcable LC/UPC-SC/UPC Simplex SM G657.A1 3m Color Yellow
OPT-PC-LCUSCUSXSM-050	Patchcable LC/UPC-SC/UPC Simplex SM G657.A1 5m Color Yellow
OPT-PC-LCASCASXSM-020	Patchcable LC/APC-SC/APC Simplex SM G657.A1 2m Color Yellow
OPT-PC-LCASCASXSM-030	Patchcable LC/APC-SC/APC Simplex SM G657.A1 3m Color Yellow
OPT-PC-LCASCASXSM-050	Patchcable LC/APC-SC/APC Simplex SM G657.A1 5m Color Yellow
PT-OPT-PC-LCASCASXSM-020	Patchcable SC/UPC-SC/UPC Simplex SM G657.A1 2m Color Yellow
OPT-PC-SCUSCUSXSM-030	Patchcable SC/UPC-SC/UPC Simplex SM G657.A1 3m Color Yellow
OPT-PC-SCUSCUSXSM-050	Patchcable SC/UPC-SC/UPC Simplex SM G657.A1 5m Color Yellow
OPT-PC-SCASCASXSM-020	Patchcable SC/APC-SC/APC Simplex SM G657.A1 2m Color Yellow
OPT-PC-SCASCASXSM-030	Patchcable SC/APC-SC/APC Simplex SM G657.A1 3m Color Yellow
OPT-PC-SCASCASXSM-050	Patchcable SC/APC-SC/APC Simplex SM G657.A1 5m Color Yellow
OPT-PC-LCULCUSXSM-020	Patchcable LC/UPC-LC/UPC Simplex SM G657.A1 2m Color Yellow
OPT-PC-LCULCUSXSM-030	Patchcable LC/UPC-LC/UPC Simplex SM G657.A1 3m Color Yellow
OPT-PC-LCULCUSXSM-050	Patchcable LC/UPC-LC/UPC Simplex SM G657.A1 5m Color Yellow
OPT-PC-LCALCASXSM-020	Patchcable LC/APC-LC/APC Simplex SM G657.A1 2m Color Yellow
OPT-PC-LCALCASXSM-030	Patchcable LC/APC-LC/APC Simplex SM G657.A1 3m Color Yellow
OPT-PC-LCALCASXSM-050	Patchcable LC/APC-LC/APC Simplex SM G657.A1 5m Color Yellow

* These are the most common lengths and configurations, other lengths and connector types are available



Ordering information *

Partnumber	Description
OPT-PC-LCUSCUDXSM-020	Patchcable LC/UPC-SC/UPC Duplex SM G657.A1 2m Color Yellow
OPT-PC-LCUSCUDXSM-030	Patchcable LC/UPC-SC/UPC Duplex SM G657.A1 3m Color Yellow
OPT-PC-LCUSCUDXSM-050	Patchcable LC/UPC-SC/UPC Duplex SM G657.A1 5m Color Yellow
OPT-PC-LCASCADXSM-020	Patchcable LC/APC-SC/APC Duplex SM G657.A1 2m Color Yellow
OPT-PC-LCASCADXSM-030	Patchcable LC/APC-SC/APC Duplex SM G657.A1 3m Color Yellow
OPT-PC-LCASCADXSM-050	Patchcable LC/APC-SC/APC Duplex SM G657.A1 5m Color Yellow
OPT-PC-SCUSCUDXSM-020	Patchcable SC/UPC-SC/UPC Duplex SM G657.A1 2m Color Yellow
OPT-PC-SCUSCUDXSM-030	Patchcable SC/UPC-SC/UPC Duplex SM G657.A1 3m Color Yellow
OPT-PC-SCUSCUDXSM-050	Patchcable SC/UPC-SC/UPC Duplex SM G657.A1 5m Color Yellow
OPT-PC-SCASCADXSM-020	Patchcable SC/APC-SC/APC Duplex SM G657.A1 2m Color Yellow
OPT-PC-SCASCADXSM-030	Patchcable SC/APC-SC/APC Duplex SM G657.A1 3m Color Yellow
OPT-PC-SCASCADXSM-050	Patchcable SC/APC-SC/APC Duplex SM G657.A1 5m Color Yellow
OPT-PC-LCULCUDXSM-020	Patchcable LC/UPC-LC/UPC Duplex SM G657.A1 2m Color Yellow
OPT-PC-LCULCUDXSM-030	Patchcable LC/UPC-LC/UPC Duplex SM G657.A1 3m Color Yellow
OPT-PC-LCULCUDXSM-050	Patchcable LC/UPC-LC/UPC Duplex SM G657.A1 5m Color Yellow
OPT-PC-LCALCADXSM-020	Patchcable LC/APC-LC/APC Duplex SM G657.A1 2m Color Yellow
OPT-PC-LCALCADXSM-030	Patchcable LC/APC-LC/APC Duplex SM G657.A1 3m Color Yellow
OPT-PC-LCALCADXSM-050	Patchcable LC/APC-LC/APC Duplex SM G657.A1 5m Color Yellow

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Ordering information *

Partnumber	Description
OPT-PC-LCPSCPDXM1-020	Patchcable LC/PC-SC/PC Duplex MM OM1 2m Color Orange
OPT-PC-LCPSCPDXM1-030	Patchcable LC/PC-SC/PC Duplex MM OM1 3m Color Orange
OPT-PC-LCPSCPDXM1-050	Patchcable LC/PC-SC/PC Duplex MM OM1 5m Color Orange
OPT-PC-LCPSCPDXM3-020	Patchcable LC/PC-SC/PC Duplex MM OM3 2m Color Aqua
OPT-PC-LCPSCPDXM3-030	Patchcable LC/PC-SC/PC Duplex MM OM3 3m Color Aqua
OPT-PC-LCPSCPDXM3-050	Patchcable LC/PC-SC/PC Duplex MM OM3 5m Color Aqua
OPT-PC-LCPSCPDXM4-020	Patchcable LC/PC-SC/PC Duplex MM OM4 2m Color Violet
OPT-PC-LCPSCPDXM4-030	Patchcable LC/PC-SC/PC Duplex MM OM4 3m Color Violet
OPT-PC-LCPSCPDXM4-050	Patchcable LC/PC-SC/PC Duplex MM OM4 5m Color Violet
OPT-PC-SCPSCPDXM1-020	Patchcable SC/PC-SC/PC Duplex MM OM1 2m Color Orange
OPT-PC-SCPSCPDXM1-030	Patchcable SC/PC-SC/PC Duplex MM OM1 3m Color Orange
OPT-PC-SCPSCPDXM1-050	Patchcable SC/PC-SC/PC Duplex MM OM1 5m Color Orange
OPT-PC-SCPSCPDXM3-020	Patchcable SC/PC-SC/PC Duplex MM OM3 2m Color Aqua
OPT-PC-SCPSCPDXM3-030	Patchcable SC/PC-SC/PC Duplex MM OM3 3m Color Aqua
OPT-PC-SCPSCPDXM3-050	Patchcable SC/PC-SC/PC Duplex MM OM3 5m Color Aqua
OPT-PC-SCPSCPDXM4-020	Patchcable SC/PC-SC/PC Duplex MM OM4 2m Color Violet
OPT-PC-SCPSCPDXM4-030	Patchcable SC/PC-SC/PC Duplex MM OM4 3m Color Violet
OPT-PC-SCPSCPDXM4-050	Patchcable SC/PC-SC/PC Duplex MM OM4 5m Color Violet

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Ordering information *

Partnumber	Description
OPT-PC-LCPLCPDXM1-020	Patchcable LC/PC-LC/PC Duplex MM OM1 2m Color Orange
OPT-PC-LCPLCPDXM1-030	Patchcable LC/PC-LC/PC Duplex MM OM1 3m Color Orange
OPT-PC-LCPLCPDXM1-050	Patchcable LC/PC-LC/PC Duplex MM OM1 5m Color Orange
OPT-PC-LCPLCPDXM3-020	Patchcable LC/PC-LC/PC Duplex MM OM3 2m Color Aqua
OPT-PC-LCPLCPDXM3-030	Patchcable LC/PC-LC/PC Duplex MM OM3 3m Color Aqua
OPT-PC-LCPLCPDXM3-050	Patchcable LC/PC-LC/PC Duplex MM OM3 5m Color Aqua
OPT-PC-LCPLCPDXM4-020	Patchcable LC/PC-LC/PC Duplex MM OM4 2m Color Violet
OPT-PC-LCPLCPDXM4-030	Patchcable LC/PC-LC/PC Duplex MM OM4 3m Color Violet
OPT-PC-LCPLCPDXM4-050	Patchcable LC/PC-LC/PC Duplex MM OM4 5m Color Violet

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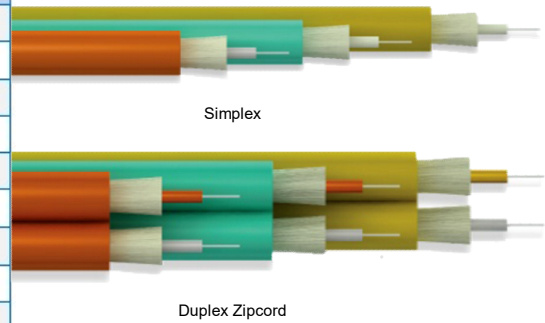
Technical details

Connector specifications					
Connector	SC Sx	SC Dx	LC Dx	ST Sx	E2000
Coupling mechanism	Push-Pull		Push-Pull	Bayonet	Push-Pull
Housing/Coupling	Plastic		Plastic	Metallic	Plastic
Ferrule	Material	Zirconia Ceramic	Zirconia Ceramic	Zirconia Ceramic	Zirconia Ceramic
	Diameter	2.5mm	1.25mm	2.5mm	1.25mm
	Polish type	PC/UPC/APC	PC/UPC/APC	PC/UPC/APC	PC/UPC/APC
IL (Insertion Loss)	≤0,25dB		≤0,25dB	≤0,25dB	≤0,25dB
RL (Return Loss)	≥35dB		≥35dB	≥35dB	≥35dB
Operating temp.	-40°C ~ 70°C		-40°C ~ 70°C	-40°C ~ 70°C	-40°C ~ 70°C



Cable specifications		
Type	Simplex	Duplex
Outer jacket	2,0 ± 0,1mm	2,0 x 4,1mm
Jacket materials	LSZH	LSZH
Weight kg/km	3.5	7.0
Strength member	Aramid yarns	Aramid yarns
Tight Buffer	900µm PVC	900µm PVC
Temperature	-20°C ~ 60°C	-20°C ~ 60°C
Bend radius	20D (dynamic) 10D (static)	
Crush resistance	100N/100mm (LT) 500N/100mm (ST)	

(pictures for reference purposes only)



Cable specifications				
Fibre type	OM1	OM3	OM4	SM
Core diameter	62,5 ± 2,5 µm	50 ± 2,5 µm	50 ± 2,5 µm	9 µm
Cladding diameter	125 ± 1 µm	125 ± 1 µm	125 ± 1 µm	125 ± 1 µm
Coating diameter	245 ± 7 µm	245 ± 7 µm	245 ± 7 µm	245 ± 7 µm
Cladding non circularity	≤ 1.0%	≤ 1.0%	≤ 1.0%	≤ 1,0%
Core/Cladding concentricity error	≤ 1,5 µm	≤ 1,0 µm	≤ 1,0 µm	≤ 0,6 µm
Coating non circularity	≤ 6.0%	≤ 5.0%	≤ 5.0%	≤ 6 µm
Cladding/Coating concentricity error	≤ 10 µm	≤ 12 µm	≤ 12 µm	≤ 10 µm
Cromatic Dispersion	1320 ~ 1365 ≤ 0,11 ps/nm².km0	1295 ~ 1340 ≤ 0,105 ps/nm².km0	1295 ~ 1340 ≤ 0,105 ps/nm².km0	1310 ~ 1625 ≤ 3,4 ps/nm².km0
Overfilled Modal Bandwidth	@850 ≥200 mhz*km @1300 ≥200 mhz*km	@850 ≥1500 mhz*km @1300 ≥500 mhz*km	@850 ≥3500 mhz*km @1300 ≥500 mhz*km	
Attenuation	@850 ≥2,7dB/km @1300 ≥0,6dB/km	@850 ≥2,4dB/km @1300 ≥0,6dB/km	@850 ≥2,4dB/km @1300 ≥0,6dB/km	@1310 ≥0,32dB/km @1550 ≥0,18dB/km