Fibre optic patch cable
SC/APC to SC/APC, G657.A1

Application: Singlemode fiber jumpers are used for telecom networks and also for high speed metropolitan and access networks. They are manufactured using LSZH cables, which conform to IEC, EIA, TIA and Telcordia standards. The OS2 fiber jumpers are terminated with standard connectors, providing optimum optical performance.

Construction and technical data:

Strength member:	aramide
Sheathing material:	halogen-free
Colour of outer sheath:	yellow
Flame-retardant:	IEC 60332-1-2
Permitted operating temperature:	-20 - +75 °C
Maximum tensile strength (installation), N:	100 N
Plug A (patch cable):	SC/APC
Plug B (patch cable):	SC/APC

The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

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Properties

	Optical Properties	value	Standard
Plugs 1 SC/APC (green)	Optical Properties	value	Standard
	IEC Random Mating	Grade B	IEC 61755-1
	Attenuation max. (IL)	≤ 0.2 dB	IEC 61300-3-4
	Attenuation/Master (IL)	0.1 dB	IEC 61300-3-4
	Attenuation/Random (IL)	≤ 0.2 dB	IEC 61300-3-34
	Return loss (RL)	≥ 60 dB	IEC 61300-3-6
Plugs 2 SC/APC (green)	IEC Random Mating	Grade B	IEC 61755-1
	Attenuation max. (IL)	≤ 0.2 dB	IEC 61300-3-4
	Attenuation/Master (IL)	0.1 dB	IEC 61300-3-4
	Attenuation/Random (IL)	≤ 0.2 dB	IEC 61300-3-34
	Return loss (RL)	≥ 60 dB	IEC 61300-3-6
cable	Version	Simplex, 2 mm	Duplex, 2 mm, Figure-8
fibres	Fibre class	Bend Insensitive Fibre G657.A1	

Fibre optic patch cord SC/APC to SC/APC, G657.A1

Fibre attenuation @1310 nm cabled: 0.36 dB/km

Fibre attenuation @1550 nm cabled: 0.25 dB/km

Macro bending loss @1550 nm (10 turns Ø30 mm): ≤ 0.25 dB

part no.	part name	Number of fibres [n]	l [m]	w [mm]	h [mm]	Ø [mm]	G [kg/Stk.]
072072	Patch cord simplex SC/APC - SC/APC E9/125 G657.A1 yellow -0.5m-	1	0.5			1.6	0.0095
072075	Patch cord simplex SC/APC - SC/APC E9/125 G657.A1 yellow -1.0m-	1	1			1.6	0.011
072076	Patch cord simplex SC/APC - SC/APC E9/125 G657.A1 yellow -2.0m-	1	2			1.6	0.014
072077	Patch cord simplex SC/APC - SC/APC E9/125 G657.A1 yellow -3.0m-	1	3			1.6	0.017
072078	Patch cable SIMPLEX SC/APC − SC/APC E9/125 G.657A1 yellow 5M	1	5			1.6	0.023
072079	Patch cord simplex SC/APC - SC/APC E9/125 G657.A1 yellow -7.0m-	1	7			1.6	0.029
072080	Patch cord simplex SC/APC - SC/APC E9/125 G657.A1 yellow -10.0m-	1	10			1.6	0.038
072252	Patch cord duplex SC/APC - SC/APC E9/125 G657.A1 yellow -0.5m-	2	0.5	3.2	1.6		0.0192
072255	Patch cord duplex SC/APC - SC/APC E9/125 G657.A1 yellow -3.0m-	2	3	3.2	1.6		0.0349
072256	Patch cord duplex SC/APC - SC/APC E9/125 G657.A1 yellow -5.0m-	2	5	3.2	1.6		0.0475
072258	Patch cord duplex SC/APC - SC/APC E9/125 G657.A1 yellow -10.0m-	2	10	3.2	1.6		0.079

Number of fibres	Number of fibres
l	Length, m (cable with assemblies)
w	Width
h	Height
Ø	outer diameter approx.
G	net weight