

PRODUCT SPECIFICATIONS

Singlemode Fiber Jumpers and Pigtails with SC Singlemode Connectors



PRODUCT DESCRIPTION

Fiber Jumpers – Duplex OS2/G.657.A1 Fiber Jumpers with PVC jacket. Available in 2 or 3 meter lengths and terminated on both ends with SC SM connectors. Duplex clips are included and can be field installed to support duplex applications.

Fiber Pigtails – Simplex G.657.A1 Fiber Pigtails with 900um buffer. Available in 2 or 3 meter lengths and terminated on one end with a SC SM connector.

FEATURES	
Certifications & Compliance	ANSI/TIA-568-C.3 ANSI/ICEA S-83-596 ISO/IEC 11801 IEC60793-2-50 Telcordia® GR-409 RoHS/Reach ISO 9001 ISO 14001 UL1666/UL1685 UL Listed ONFR
Packaging	Poly Bag
Color	Yellow
Applications	1000BASE-LX/LX10/EX 10GBASE-LR/ER/LX4 25GBASE-LR/ER 40GBASE-FR/LR4/ER4 50GBASE-FR/LR 100GBASE-LR4/ER4 100GBASE-PSM4 (MSA) 100GBASE-CWDM4 (MSA) 100GBASE-CLR4 (MSA) 200GBASE-DR4/FR4/LR4 400GBASE-DR4/FR8/LR8 All Fibre Channel 1-128GFC

DESCRIPTION	PRODUCT ID
Fiber Jumper, OS2/G.657.A1, Duplex SC SM Connector, 2 m	OJ2SSSYL0020
Fiber Jumper, OS2/G.657.A1, Duplex SC SM Connector, 3 m	OJ2SSSYL0030
Fiber Pigtail, G.657.A1, Simplex SC SM Connector, 2 m	OG1SBSYL0020
Fiber Pigtail, G.657.A1 Simplex SC SM Connector, 3 m	OG1SBSYL0030

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MATERIAL SPECIFICATIONS

	Jumper	Pigtail
Fiber Type	G.652.D / G.657.A1	
Type of Cable	Mini Zip Cord	Tight Buffer
Jacket Material	OFNR PVC	
Color	Yellow	
Connector End A	SC	SC
Connector End B	SC	None

DIMENSIONAL SPECIFICATIONS

	Jumper	Pigtail
Fibers	2	1
Length	2 m (6 ft., 6.74 in) & 3 m (9 ft., 10.11 in)	
Cable Diameter (Nominal)	2 mm (0.08 in)	0.9 mm (0.035 in)
Weight (2m / 3m)	1.7 oz (44 g) / 2.0 oz (51 g)	0.6 oz (17 g) / 0.7 oz (18 g)

MECHANICAL SPECIFICATIONS

	Jumper	Pigtail
Tensile Load, Long Term (Max)	48 lb / 213 N	7 lb / 30 N
Tensile Load, Short Term (Max)	95 lb / 423 N	22 lb / 100 N
Minimum Bend Radius – Loaded	2 in / 5 cm	1.2 in / 3 cm
Minimum Bend Radius – Unloaded	1.2 in / 3 cm	0.78 in / 2 cm

TRANSMISSION SPECIFICATIONS

Insertion / Return Loss (Typical)	0.10 dB / 60 dB
Insertion / Return Loss (Max)	0.15 dB / 55 dB
Insertion Loss variation after 500 Matings	≤0.20 dB
Attenuation @ 1310, 1383, 1550 nm (Max for 1 km)	0.5 dB / 0.5 dB / 0.4 dB

TEMPERATURE RANGE

Storage Temperature	-40 °F to +158 °F (-40 °C to +70 °C)
Installation Temperature	+32 °F to +158 °F (0 °C to +70 °C)
Operation Temperature	+32 °F to +158 °F (0 °C to +70 °C)
Humidity	10 % to 90 % RH