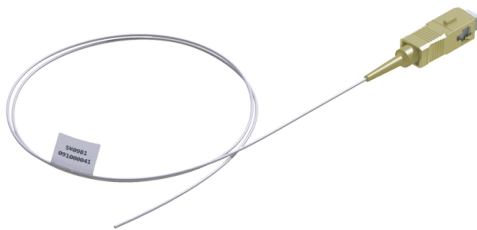# OM1 Multimode Enhanced Pigtail

OM1 multimode enhanced pigtails are used to connect high speed networks like gigabit ethernet, fast ethernet and ethernet. The multimode pigtail buffer conforms to IEC, EIA TIA or Telcordia standards. The multimode pigtails are terminated with optimized connector which gives optimum optical performance.

FEATURES/BENEFITS

- SC, LC, ST, FC Connectors
- Low smoke zero halogen (LSZH) buffer
- 900 µm tight buffer or easy strip
- OM1 Pigtail is available in standard white color
- Multimode fiber conforms to TIA/EIA 492AAAA
- Different connector performance range for specific application
- Available in standard 12 colors as per IEC 60304
- Available in standard and blister packing
- REACH, RoHS & SvHC materials compliant

APPLICATIONS

- Networks including Ethernet, Fast Ethernet and Giga Bit Ethernet
- Internal inter-connect
- Ideal for a wide range of telecom, datacom and process control applications where ruggedisation is required
- Suitable for repeated handling in patch panels and racks

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SPECIFICATIONS

Connector Specification

OPTICAL PERFORMANCE	MULTIMODE	CONFORMANCE
IL Max/Master (Acceptance)	0.25 dB	IEC 61300-3-4
Ave/Master	0.15 dB	IEC 61300-3-4
Ave/Random	0.20 dB	IEC 61300-3-34

Note: Return Loss ≥ 28 dB based on sample data using method IEC 61300-3-6

Cable Specification

CHARACTERISTICS	UNITS	SIMPLEX
Crush	N/100 mm	500
Operating Temperature	°C	-20 to 60
Stripping Length - Easy Strip	m	1.5 minimum
Stripping Length - Tight buffer	mm	30 nominal
Nominal buffer Diameter	µm	900 +/- 50
Max Tensile Load	N	6

Fiber Specification

CHARACTERISTICS	
Attenuation (dB / km)	3.0 @ 850 nm / 0.8 @ 1300 nm
Bandwidth OFL (MHz x km)	200 @ 850 nm / 500 @ 1300 nm

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ORDERING INFORMATION

Code		Cable Type		Fiber Count	Code		Color	Grade		Connector		Code	Unit		Length	
P1	AA	Easy Strip	1	Single Pigtail	L	2	ORANGE	E	AX	LC	-0000-	Single Pigtail	M	Meters	1	1
	AC	Tight Buffered	B	Pack of 12		6	WHITE		DX	SC	-0002-	12 in one Bag			2	2
						H	12 Colours		HX	FC	-0004-	12 in Blister Pack			XX	Specify
									KX	ST						

[Legacy Ordering Information](#)

Connector End		Fiber Type			Cable Length		Cable Construction	
SC	SC	62	OM1	B	1	1 metre		Tight Buffer
LC	LC				2	2 metre	-12/1B	Tight Buffer - Pack of 12 colours
FC	FC				3	3 metre	BP12-TB	Tight Buffer - Blister pack of 12
ST	ST				5	5 metre	EASY	Easy strip
					10	10 metre	E-12/1B	Easy strip - Pack of 12 colours
					xx	Specify	BP12	Easy strip - Blister pack of 12

Example Part Number

SC	62	B	5	-12/1B

This part number has created a 5 metre SC OM1 pack of 12 pigtails in different colours.

FURTHER INFORMATION

- For additional information please contact your sales representative
- To view the product 360 visit the product page (Scan the QR code or visit the link below)
- Downloaded from https://www.aflhyperscale.com/product/om1-multimode-enhanced-pigtail
- AFL Hyperscale reserves the right to make changes in this datasheet at any time without notice
- Information in this document is correct as of August 05, 2019

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