9/125 (Singlemode) Optical Fibre Pigtails

Optronics singlemode pigtails are used in telecom, datacom networks and also used for high speed metropolitan and access network. The singlemode pigtail buffer conforms to IEC, EIA TIA and Telecordia standards. The singlemode pigtails are terminated with standard Optronics connector which gives optimum optical performance.

Features / Benefits

- **SC, LC, ST, FC and E2000 connectors**
- **UPC and APC interface**
- **Low smoke zero halogen (LSZH) secondary buffer**
- **900µm tight buffer or easy strip**
- **ITU G.652.D, TIA/EIA 492 CAAB**
- **Bend insensitive ITU G.657.A1 or ITU G.657.A2**
- **Available in standard white colour buffer and also in standard 12 colour sets as per IEC 60304**
- **Available in standard individual sealed bags or blister packing**

Applications

- **Telecom, datacom application and general purpose networks**
- **Patch panels, wall boxes, ODFs and splice cassettes**
- **Easy strip pigtails for on site installation**
- **Support for high speed multi channel video, data and voice services in metropolitan and access networks**
- **ATM, SONET and WDM**

Connector Specification

OPTICAL PERFORMANCE	SINGLEMODE	CONFORMANCE
IL Max/Master (Acceptance)	≤ 0.30 dB	IEC 61300-3-4
Ave/Master*	≤ 0.18 dB	IEC 61300-3-4
Ave/Random*	≤ 0.18 dB	IEC 61300-3-34
Return Loss	≤ 50/60 dB	IEC 61300-3-6
RL Min	≤ 50dB (UPC) ≥ 60dB (APC)	IEC661300-3-6

Cable Specification

CHARACTERISTICS	UNITS	SIMPLEX
Crush	N/100mm	500
Operating Temperature	˚C	-40 to +70
Nominal buffer Diameter	µm	900+50
Max Tensile Load	N	6

Fibre Specification

CHARACTERISTICS	
Attenuation (dB) / km	0.38 @ 1310nm / 0.25 @ 1550nm
Chromatic Dispersion (ps/nm x km)	3.0 @ 1310nm / 18.0 @ 1550nm
Polarization Mode Dispersion (ps/√km)	≤ 0.2

Part Number Generator

Connectors		Mode		Cable construction		Length (m)				
	–		–	B	–		–		–	/Z

Connectors: SC, SCA, LC, LCA, FC, FCA, ST, E2, E2A

Mode: 09 - G.652.D (OS1/2); A1 - G.657.A1; A2 - G.657.A2

Length (m): 1, 1.5, 2

BLANK – TIGHT BUFFER
-12/1B – TIGHT BUFFER PACK OF 12
-12/1BP - TIGHT BUFFER BLISTER PACK OF 12

EASY – EASY STRIP
E-12/1B – EASY STRIP PACK OF 12
E-12/1BP – EASY STRIP BLISTER PACK OF 12

Example: **SCA09B2EASY/Z** (SC APC G.652.D 2 metre easy strip)

62.5/125 (OM1) Optical Fibre Pigtails

Optronics multimode pigtails are used to connect high speed networks like Gigabit Ethernet, Fast Ethernet and Ethernet. The multimode pigtail buffer conforms to IEC, EIA TIA and Telecordia standards. The multimode pigtails are terminated with standard Optronics connector which gives optimum optical performance.

Features / Benefits

- **SC, LC, ST, FC connectors**
- **Low smoke zero halogen (LSZH) buffer**
- **900µm tight buffer or easy strip**
- **OM1 pigtail is available in standard white colour**
- **Multimode fibre conforms to ITU-G651, TIA/EIA 492AAAA**
- **Different connector performance range for specific application**
- **Available in standard 12 colours as per IEC 60304**
- **Available in standard and blister packing**

Applications

- **Networks including Ethernet, Fast Ethernet and GBE**
- **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**

Connector Specification

OPTICAL PERFORMANCE	MULTIMODE	CONFORMANCE
IL Max/Master (Acceptance)	0.30 dB	IEC 61300-3-4
Ave/Master*	0.15 dB	IEC 61300-3-4
Ave/Random*	0.20 dB	IEC 61300-3-34

Buffer Specification

CHARACTERISTICS	UNITS	SIMPLEX
Crush	N/100mm	500
Operating Temperature	˚C	-20 to 60
Nominal buffer Diameter	µm	900+50
Max Tensile Load	N	6

Fibre Specification

CHARACTERISTICS	
Attenuation (dB) / km	Please refer to Fibre Comparison Chart
Bandwidth OFL (MHz x km)	
Numerical Aperture (NA)	

Part Number Generator

Connectors		Mode		Cable construction		Length (m)				
	–	62	–	B	–		–		–	/Z

- Connectors: SC, LC, FC, ST
- Mode: 62-OM1
- Length (m): 1, 2
- BLANK – TIGHT BUFFER
  -12/1B – TIGHT BUFFER PACK OF 12
  -12/1BP - TIGHT BUFFER BLISTER PACK OF 12

  EASY – EASY STRIP
  E-12/1B – EASY STRIP PACK OF 12
  E-12/1BP – EASY STRIP BLISTER PACK OF 12

50/125 (OM2) Optical Fibre Pigtails

Optronics multimode pigtails are used to connect high speed networks like Gigabit Ethernet, Fast Ethernet and Ethernet. The multimode pigtail buffer conforms to IEC, EIA TIA and Telecordia standards. The multimode pigtails are terminated with standard Optronics connector which gives optimum optical performance.

Features / Benefits

- **SC, LC, ST, FC connectors**
- **Low smoke zero halogen (LSZH) buffer**
- **900µm tight buffer or easy strip**
- **OM2 pigtail is available in standard white colour**
- **Multimode fibre conforms to ITU-G651, TIA/EIA 492AAAA**
- **Different connector performance range for specific application**
- **Available in standard 12 colours as per IEC 60304**
- **Available in standard and blister packing**

Applications

- **Networks including Ethernet, Fast Ethernet and GBE**
- **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**

Connector Specification

OPTICAL PERFORMANCE	MULTIMODE	CONFORMANCE
IL Max/Master (Acceptance)	0.30 dB	IEC 61300-3-4
Ave/Master*	0.15 dB	IEC 61300-3-4
Ave/Random*	0.20 dB	IEC 61300-3-34

Buffer Specification

CHARACTERISTICS	UNITS	SIMPLEX
Crush	N/100mm	500
Operating Temperature	˚C	-20 to 60
Nominal buffer Diameter	µm	900+50
Max Tensile Load	N	6

Fibre Specification

CHARACTERISTICS	
Attenuation (dB) / km	Please refer to Fibre Comparison Chart
Bandwidth OFL (MHz x km)	
Numerical Aperture (NA)	

Part Number Generator

Connectors		Mode		Cable construction		Length (m)				
	—	50	—	B	—		—		—	/Z

Connectors: SC, LC, FC, ST

Mode: 50-OM2

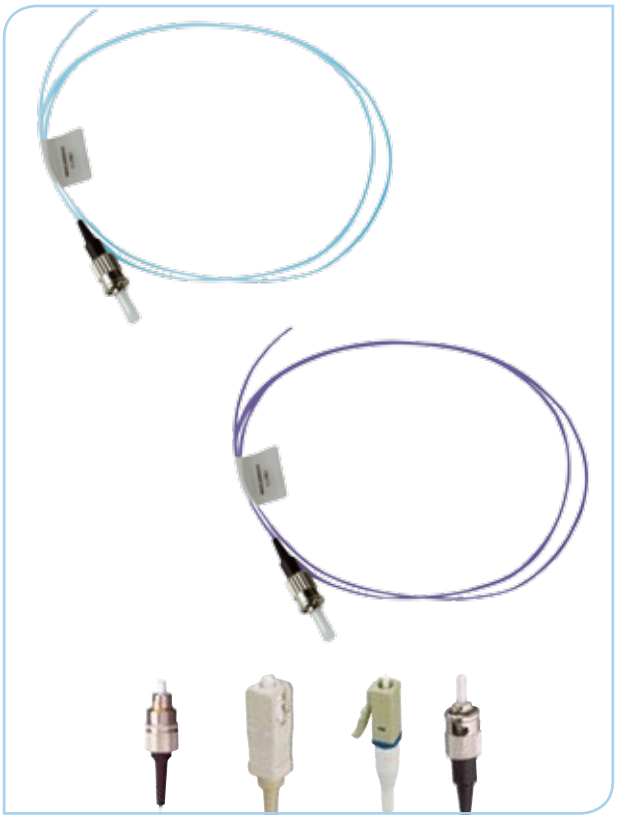
Length (m): 1, 2

BLANK – TIGHT BUFFER
-12/1B – TIGHT BUFFER PACK OF 12
-12/1BP - TIGHT BUFFER BLISTER PACK OF 12

EASY – EASY STRIP
E-12/1B – EASY STRIP PACK OF 12
E-12/1BP – EASY STRIP BLISTER PACK OF 12

50/125 (OM3) Optical Fibre Pigtails

Optronics multimode pigtails are used to connect high speed networks like Gigabit Ethernet, Fast Ethernet and Ethernet. The multimode pigtail buffer conforms to IEC, EIA TIA and Telecordia standards. The multimode pigtails are terminated with standard Optronics connector which gives optimum optical performance.



Features / Benefits

- **SC, LC, ST, FC connectors**
- **Low smoke zero halogen (LSZH) buffer**
- **900µm tight buffer or easy strip**
- **OM3 pigtail is available in standard purple or aqua colour**
- **Multimode fibre conforms to ITU-G651, TIA/EIA 492AAAA**
- **Different connector performance range for specific application**
- **Available in standard 12 colours as per IEC 60304**
- **Available in standard and blister packing**

Applications

- **Networks including Ethernet, Fast Ethernet and GBE**
- **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**

Connector Specification

OPTICAL PERFORMANCE	MULTIMODE	CONFORMANCE
IL Max/Master (Acceptance)	0.30 dB	IEC 61300-3-4
Ave/Master*	0.15 dB	IEC 61300-3-4
Ave/Random*	0.20 dB	IEC 61300-3-34

Buffer Specification

CHARACTERISTICS	UNITS	SIMPLEX
Crush	N/100mm	500
Operating Temperature	˚C	-20 to 60
Nominal buffer Diameter	µm	900+50
Max Tensile Load	N	6

Fibre Specification

CHARACTERISTICS	
Attenuation (dB) / km	Please refer to Fibre Comparison Chart
Bandwidth OFL (MHz x km)	
Numerical Aperture (NA)	

Part Number Generator

Connectors	Mode	Cable construction	Length (m)		/Z
	OM3	B			

SC
LC
FC
ST

OM3-OM3

1
2

BLANK – TIGHT BUFFER
-12/1B – TIGHT BUFFER PACK OF 12
-12/1BP - TIGHT BUFFER BLISTER PACK OF 12

EASY – EASY STRIP
E-12/1B – EASY STRIP PACK OF 12
E-12/1BP – EASY STRIP BLISTER PACK OF 12

50/125 (OM4) Optical Fibre Pigtails

Optronics multimode pigtails are used to connect high speed networks like Gigabit Ethernet, Fast Ethernet and Ethernet. The multimode pigtail buffer conforms to IEC, EIA TIA and Telecordia standards. The multimode pigtails are terminated with standard Optronics connector which gives optimum optical performance.

Features / Benefits

- **SC, LC, ST, FC connectors**
- **Low smoke zero halogen (LSZH) buffer**
- **900µm tight buffer or easy strip**
- **OM4 pigtail is available in standard aqua colour**
- **Multimode fibre conforms to ITU-G651, TIA/EIA 492AAAA**
- **Different connector performance range for specific application**
- **Available in standard 12 colours as per IEC 60304**
- **Available in standard and blister packing**

Applications

- **Networks including Ethernet, Fast Ethernet and GBE**
- **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**

Connector Specification

OPTICAL PERFORMANCE	MULTIMODE	CONFORMANCE
IL Max/Master (Acceptance)	0.30 dB	IEC 61300-3-4
Ave/Master*	0.15 dB	IEC 61300-3-4
Ave/Random*	0.20 dB	IEC 61300-3-34

Buffer Specification

CHARACTERISTICS	UNITS	SIMPLEX
Crush	N/100mm	500
Operating Temperature	˚C	-20 to 60
Nominal buffer Diameter	µm	900+50
Max Tensile Load	N	6

Fibre Specification

CHARACTERISTICS	
Attenuation (dB) / km	Please refer to Fibre Comparison Chart
Bandwidth OFL (MHz x km)	
Numerical Aperture (NA)	

Part Number Generator

Connectors	Mode	Cable construction	Length (m)		
	OM4	B			/Z

- Connectors: SC, LC, FC, ST
- Mode: OM4-OM4
- Length (m): 1, 2
- BLANK – TIGHT BUFFER
  -12/1B – TIGHT BUFFER PACK OF 12
  -12/1BP - TIGHT BUFFER BLISTER PACK OF 12

  EASY – EASY STRIP
  E-12/1B – EASY STRIP PACK OF 12
  E-12/1BP – EASY STRIP BLISTER PACK OF 12