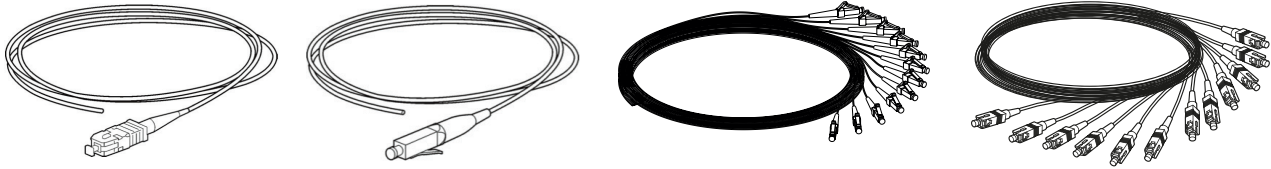


LCS³ Fibre optic 50/125 µm pigtailed - OM3/OM4/OM5

Cat. No(s): 0 322 20/0 322 21/0 322 22/0 322 23/0 322 24
 0 322 30/0 322 31/0 322 32/0 322 33/0 322 34
 0 326 26/0 326 71- On demand



1. USE

Multimode pigtailed cables are used to connect high-speed systems such as Gigabit Ethernet, Fast Ethernet and Ethernet networks. Multimode pigtailed cables conform to IEC, ANSI/TIA and Telcordia standards. Multimode pigtailed cables are terminated with Core connectors to obtain optimum optical performance.

2. RANGE

Description	Cat. No.
SC PC pigtail OM3 1M Core LSZH	0 322 20
LC PC pigtail OM3 1M Core LSZH	0 322 21
ST PC pigtail OM3 1M Core LSZH	0 322 22
SC PC pigtail OM3 2M Core LSZH	0 322 23
LC PC pigtail OM3 2M Core LSZH	0 322 24
Kit with 12 LC PC pigtailed OM3 1M Core LSZH	0 326 26
Kit with 12 SC PC pigtailed OM3 1M LSZH (Core or Ultra)	On demand
SC PC pigtail OM4 1M Core LSZH	0 322 30
LC PC pigtail OM4 1M Core LSZH	0 322 31
ST PC pigtail OM4 1M Core LSZH	0 322 32
SC PC pigtail OM4 2M Core LSZH	0 322 33
LC PC pigtail OM4 2M Core LSZH	0 322 34
Kit with 12 LC PC pigtailed OM4 1M Core LSZH	0 326 71
Kit with 12 SC PC pigtailed OM4 1M LSZH (Core or Ultra)	On demand
SC PC or LC PC Pigtail OM5 LSZH (Core or Ultra)	On demand

Catalog references are equipped with Core performance connectors. Ultra performance connectors and others lengths are available on demand.

3D endface geometry (interferometry): sampling quality control.
 Optical performance: 100% factory tested.

3. APPLICATIONS

The Legrand core, ultra and quantum connectivity performances are far superior than standard. They provide the following benefits for the user :

- Wider range of applications
- More flexibility in the design
- Energy saving on the active (transceivers).
- Ethernet, Fast Ethernet and GBE networks
- Internal interconnections
- Ideal for a wide range of telecom, datacom and process control applications where robust construction is required
- Suitable for repetitive handling of drawers and racks

4. CONNECTOR SPECIFICATION

OPTICAL PERFORMANCE	Core	Ultra	
IL Max/Master	0.25 dB	0.15 dB	IEC 61300-3-4
IL Max/Random *	0.30 dB	0.20 dB	IEC 61300-3-34
Typ. IL/Master	0.10 dB	0.08 dB	IEC 61300-3-4
Typ. IL/Random *	0.15 dB	0.10 dB	IEC 61300-3-34
Return Loss	Length ≥ 1m : >35 dB Length < 1m : >25 dB		IEC 61300-3-6

* Performance is guaranteed only with other components of the same Legrand range (Core, Ultra and Quantum). Mixing ranges or use of components of other brand may lead to a different performance of the system.
 The uncertainty value for field measurement with LSPM testing using a reference cord defined in ISO/IEC 14763-3 applies to field testing with proposed Legrand testing cords. Refer to the Fiber Optic Testing Guide for Legrand Solutions.

CONNECTOR TYPE	CONFORMANCE	COLOR
SC	IEC 61754-4	Connector : Beige (OM3, OM5), Aqua (OM4) Boot : Beige (OM3, OM5), Aqua (OM4)
LC	IEC 61754-20	Connector : Beige (OM3, OM5), Aqua (OM4) Boot : White (OM3, OM4, OM5)
ST	IEC 61754-2	Connector : Metal (OM3, OM4) Boot : Aqua

5. CABLE SPECIFICATION

Low smoke zero halogen (LSZH) sleeve
 900 µm tight-buffered easy strip

CHARACTERISTICS	UNIT	VALUES
Operating temperature	°C	- 20 to 60
Nominal sleeve diameter	µm	900 ± 50
Max. tensile load	N	5

	OM3	OM4	OM5
Cable color	Aqua	Aqua	Lime
Cable color for 12 pigtails kit: blue, orange, green, brown, grey, white, red, black, yellow, purple, pink, aqua.			

6. FIBRE SPECIFICATION

Fiber type :
 OM3 IEC 60793-2-10 Type A1a.2, Multimode fibre conforms to ITU-G651, ANSI/TIA 492AAAC
 OM4 IEC 60793-2-10 Type A1a.3, Multimode fibre conforms to ITU-G651, ANSI/TIA 492AAAD
 OM5 IEC 60793-2-10 Type A1a.4, Multimode fibre conforms to ITU-G651, ANSI/TIA 492AAAE

Characteristics	Units	OM3	OM4	OM5	Conformance
Attenuation	dB/km	≤2.5 @ 850 nm ≤0.8 @ 1300 nm	≤2.5 @ 850 nm ≤0.7 @ 1300 nm	≤2.5 @ 850 nm ≤1.8 @ 953 nm ≤0.7 @ 1300 nm	IEC 60793-1-40
Bandwidth	MHz.km	≥1500 @ 850 nm ≥500 @ 1300 nm	≥3500 @ 850 nm ≥500 @ 1300 nm	≥3500 @ 850 nm ≥1850 @ 953 nm ≥500 @ 1300 nm	IEC 60793-1-41