



### CONTACT

Markets and Products Information  
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### COMMUNICATION CABLES

Lynx<sup>eo</sup> produces a range of optical fiber cables OM3 (50/125 μm) for onboard communication and data transmission. With its halogen-free cross-linked sheathing material the FLAMEX® optical fiber cables conform to the rolling stock requirements.

### STANDARDS

Product EN 45545-2 (HL3); EN 50264-1

### DESIGN

1. Patch cord
  - . Core: glass OM 3 (diameter = 50 μm)
  - . Cladding: glass (diameter = 125 ± 3 μm)
  - . Coating: acrylate (diameter = 245 ± 10 μm)
  - . Buffer: Thermoplastic elastomer (diameter = 900 ± 50 μm)
  - . Reinforcement: Aramid yarns
  - . Sheath: Cross-linked halogen-free acc. to EN 50264-1 type EM 104 or EM 101 (diameter = 2.00 ± 0.15 mm)

2. Tape(for multi-fibers)

3. Outer sheath

Cross-linked halogen-free acc. to EN 50264-1 type EM 104 or EM101

Example of marking: FLAMEX - Part number - number of fiber x 50/125 - month and year of production

### GUIDE TO USE

- Bending radius:
  - Static use: 8 x outer cable diameter
  - For installation and occasional movements: 10 x outer cable diameter



无卤  
 EN 60754-1 & EN 60684-2



阻燃 - 火焰  
 IEC/EN 60332-1-2



阻燃  
 EN IEC 60332-3-24 (cat C); EN IEC 60332-3-25 (EN50305)



烟密度  
 EN/IEC 61034-2



气体毒性  
 EN 50305-9.2



耐化学物质  
 优异



抗电磁干扰  
 是

## CHARACTERISTICS

## 结构特性

光纤类型	OM3 50/125
外护套	Cross-linked compound
无卤	EN 60754-1 & EN 60684-2

## 机械特性

耐挤压 (IEC 794-1-E3)	250 N/cm
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## 使用特性

阻燃 - 火焰	IEC/EN 60332-1-2
阻燃	EN IEC 60332-3-24 (cat C); EN IEC 60332-3-25 (EN50305)
烟密度	EN/IEC 61034-2
气体毒性	EN 50305-9.2
耐化学物质	优异
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## FLAMEX® OPTICAL FIBER CABLES OM3 50/125

Reference	Country Ref.	Nb optical fibres	外径 [mm]	Approx. weight [kg/km]	衰减, 额定850nm [dB/1000m]	成缆后典型衰减, 1300nm [dB/1000m]
	2PH550	2	7	40	3.5	1.5
13117426	2PH551	4	7	40	3.5	1.5
	2PH552	6	8	60	3.5	1.5
	2PH553	8	8.5	80	3.5	1.5