

Accessories ► Measuring Tools ► Launch Cord Kit



General Information

When performing device-independent OTDR measurements for checking fibre-optic links, launch cords and/or tail cords are required to bridge the device's dead zones and to comply with IEC measurement specifications. For most OTDRs a launch cord is the only possibility to include the first connector in the measurement. By connecting a tail cord the connector at the end of the link under test is additionally included. Tester manufacturers recommend different lengths for launch and tail cords in order to avoid ghost reflections.

Features

- Compact rigid two-piece PVC carrying case, blue colour (275 x 225 x 80 mm)
- Can accommodate up to 3 fibres
- The desired fibres are rolled-up stress-free, tied and stored slip-proof in one half of the case with a strain-relieving cable clamp
- The impact-resistant cover of the case half is screwed on and labelled with the respective fibre type
- The led-out fibre end is 2,5 m long and protected using a hollow cable
- A lateral flexible cable feedthrough allows closing the Launch Cord Kit while performing the measurement on site

- A closeable plastic box in the second half of the case accommodates small parts (adapters, etc.)
- Connectorized fibre ends can be neatly stored
- The scope of delivery includes a measurement report with graphical chart: Singlemode fibres measured from both ends and at 2 wave lengths (1310 nm and 1550 nm), Multimode fibres measured from one end and at 2 wavelengths (850 nm and 1310 nm)
- Additional customized measurements available, cleaning instructions for connectors and connector end-faces as well as an adjustable carrying strap for the Launch Cord Kit

Available Connector Systems

- LSH - HRL/LSH (Class A)
- LC - PC/APC (Class A)
- SC - PC/APC (Class A)
- DIN - (LSA) - PC/APC
- FC - PC/APC
- ST, MTRJ or FSMA

Fibre Types

- E9/125 G.652.D/G.657.A1 1000 m standard length
- G50/125 Multimode OM3 100 m standard length
- G50/125 Multimode OM4 100 m standard length
- G62,5/125 Multimode OM1 100 m standard length
- Other fibre types and lengths on request

Singlemode Fibre

Specification		Fibre Type E9/125 (Singlemode)
Fibre Category		G.652.D/G.657.A1
Attenuation	1300 nm	≤ 0,36 dB/km
	1550 nm	≤ 0,22 dB/km
Dispersion	1285 – 1330 nm	< 3,5 ps/(nm x km)
	1550 nm	< 19 ps/(nm x km)
Cladding Diameter		125 ± 1 µm
Coating Diameter		245 ± 10 µm
Cutoff Wavelength		< 1260 nm
Core-Cladding Offset		≤ 0,8 µm
Cladding Eccentricity		< 1,0 %

Graded-Index Fibres

Specification		Fibre Type 50/125	Fibre Type 62,5/125
Fibre Category		OM3	OM1
Core Diameter		50 ± 2 µm	62,5 ± 2 µm
Numerical Aperture		0,200 ± 0,02	0,275 ± 0,015
Typ. Attenuation	850 nm	2,8 dB/km	3,0 dB/km
	1300 nm	0,7 dB/km	1,0 dB/km
Min. Bandwidth	850 nm	500 MHz x km	200 MHz x km
	1300 nm	800 MHz x km	500 MHz x km
Cladding Diameter		125 ± 1 µm	
Coating Diameter		245 ± 10 µm	
Core Eccentricity		< 5 %	
Core-Cladding Offset		< 3,0 µm	
Cladding Eccentricity		< 2,0 %	

Specification		Fibre Type 50/125
Fibre Category		OM4
Core Diameter		50 ± 2 µm
Numerical Aperture		0,200 ± 0,02
Typ. Attenuation	850 nm	2,5 dB/km
	1300 nm	0,5 dB/km
Min. Bandwidth	850 nm	1500 MHz x km
	1300 nm	500 MHz x km
Cladding Diameter		125 ± 1µm
Coating Diameter		245 ± 10µm
Core Eccentricity		< 5 %
Core-Cladding Offset		< 3,0 µm
Cladding Eccentricity		< 2,0 %

