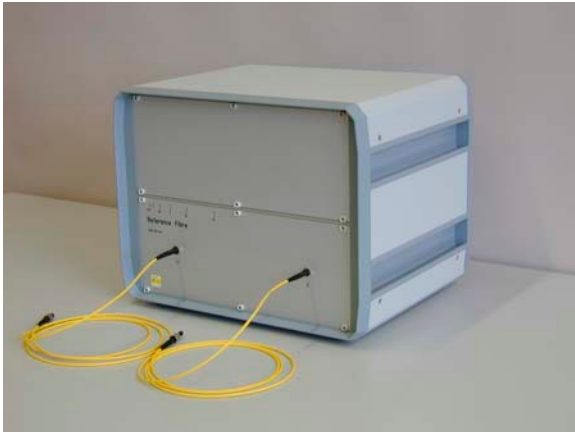
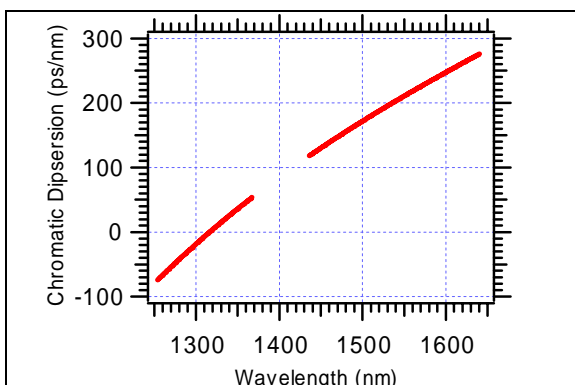




Chromatic Dispersion Reference Fibre (CDRF)



The Chromatic Dispersion Reference Fibre (CDRF) consists of a spool of singlemode fibre, which is mounted in a protective case for an optimum mechanical and thermal stability. The chromatic dispersion D , the zero dispersion wavelength λ_0 and the dispersion slope S_0 are calibrated according to IEC 60793-1-42, by using the phase shift method. The CDRF is ideally suited for the calibration of chromatic dispersion measuring equipments.



Typical Chromatic Dispersion of a G652 Fibre.

Specifications

Fibre types

Singlemode G652, G653, G655
Other types on request

Typical Fibre lengths

1 - 50 km,
other length available on request

Calibrated quantities and uncertainties (*)

Total Chromatic Dispersion D (ps·nm⁻¹)
 $U_D / D < 1 \%$

Zero Dispersion Wavelength λ_0 (nm)
 $U_{\lambda_0} < 80$ pm

Dispersion Slope S_0 around λ_0 (ps·nm⁻²)
 $U_{S_0} / S_0 < 1 \%$

Fibre optical length L
 $U_L = 0.11$ m @ $L = 12$ km

Wavelength domain

1254 nm – 1633 nm, 1436 nm – 1640 nm
Other domains on request

Connectors

Flat or angled, with Multipurpose Adapter System.

Available adapters: E-2000, FC, SC, ST

Pigtails version also available

(*) These values correspond to typical uncertainties, which may vary depending on fibre type and length.

Ordering Information: CDRF – a – b – c/x – d/x – o

a fibre type	b fibre length in meter	c input connector type	d output connector type	x Configuration	o Temperature monitoring
G652 G653 G655		FCPC FCUPC FCAPC E2000	FCPC FCUPC FCAPC E2000	A: Multipurpose adapter P: fixed pigtail, length 2 m.	N. without T: with monitor