



**GOVERNMENT OF INDIA
MINISTRY OF COMMUNICATIONS
DEPARTMENT OF TELECOMMUNICATIONS
TELECOMMUNICATION ENGINEERING CENTRE**
Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi-110001

CERTIFICATE OF DESIGNATION

M/s OFC Testing Lab, Polycab India Limited, Gujarat
has been assessed and designated as Conformity Assessment Body (CAB)
for its facilities at

Plot No. 13, 15, 16A, 16B Halol Vadodara Road, Halol, Gujarat-389350

In the field of Testing

Certificate No. TEC/MRA/CAB/IND-D/112

Issue Date: 01/09/2026

Validity: 31/08/2026 to 30/08/2029

This Certificate remains valid for the Scope of Designation as specified in the Annexure subject to the continued validity of NABL Accreditation and satisfied compliance to the Standards/specifications against which lab has been designated and strict compliance to the relevant terms and conditions of TEC CAB Designation Scheme.

(To see the scope of designation of this laboratory, you may also visit TEC website www.tec.gov.in)

Signed for and on behalf of TEC

**Sanjeev Kumar Arya
Director (CA)
For Designating Authority
TEC**

**Certificate No: TEC/MRA/CAB/IND-D/112 dated 01/09/2026 issued to
M/s OFC Testing Lab, Polycab India Limited, Gujarat
Plot No. 13, 15, 16A, 16B Halol Vadodara Road, Halol,
Gujarat-389350**



Validity: - 31/08/2026 to 30/08/2029

Terms & Conditions

This certificate is issued as per the terms and conditions stipulated in the TEC SCHEME FOR DESIGNATING DOMESTIC CONFORMITY ASSESSMENT BODIES AND CERTIFICATION BODIES FOR CONFORMITY ASSESSMENT AND CERTIFICATION OF TELECOMMUNICATION EQUIPMENT ISSUE 3 NO. TEC 04019:2023.

Some of the conditions are reiterated as under:

A. Obligations of the Designated CAB.

1. It shall ensure that it maintains its accreditation status from any recognised Indian accreditation body like NABL during validity period of certificate.
2. It shall follow the stipulated procedures, rules and policies laid down by Designating Authority (DA) or Mutual Recognition Agreement (MRA)* partner for testing and evaluation.
3. In respect of tests for which it is seeking designation, it shall have no interest whatsoever in any business to carry on testing in an unfair or biased manner.
4. It shall fully indemnify DA from and against all liabilities, damages, claims, costs, and expenses incurred or sustained by DA as a result of any action taken or omitted by DA relating to the process of designation.
5. It shall comply with DA's or MRA partner's terms and conditions for designation and recognition as modified from time to time.
6. It shall be under obligation to participate in the online process prescribed by TEC for test and certification against TEC's GR/IR/ER and standards.
7. It shall have a record system which shall have a retention period of at least 5 years for documents related to the equipment testing. It shall maintain all the relevant documents including list of products submitted for testing, product-wise testing and evaluation reports. These documents shall be produced before the DA within seven days, as and when required.
8. It shall ensure the Intellectual Property Rights of the customers in the course of testing by maintaining professional ethics, secrecy and keeping all the product related information confidential.

*Applicable only if recognized by MRA (Mutual Recognition Agreement) partner.

9. It shall notify the DA in writing of occurrence of any of the following incident(s) within 2 weeks of its occurrence
 - a) Cessation of its business of conformity assessment for which it is Designated or accredited
 - b) Changes in its legal, commercial, or Organisational status
 - c) Changes, which may affect continuing compliance with any of the criteria or requirement specified by DA or MRA partner.
 - d) Change of premises

B. REFERENCE TO DESIGNATION STATUS

1. Designated CABs may advertise their designation status with regard to standards or parts thereof which are included in the scope of designation.
2. The advertisement should not imply, or otherwise suggest that DA or MRA Partner has endorsed the product or imply that the designated CAB is an agent or representative of DA or MRA Partner.
3. CABs whose designations have been suspended or withdrawn for any reason, shall discontinue advertisement of their designated status and not make any misleading statements regarding their designation status.

C. POST-DESIGNATION SURVEILLANCE

As and when required, DA shall conduct surveillance assessments and other non-routine assessments on the Designated CABs to ensure that standards of practices are maintained as well as to investigate complaints made against them.

D. SUSPENSION OR WITHDRAWAL OF DESIGNATION

1. DA shall suspend or withdraw the designation of a CAB if
 - a. Its accreditation is withdrawn.
 - b. It is found that the CAB is not complying with the stipulated criteria or requirements.
 - c. It is guilty of any offence involving fraud or dishonesty.
 - d. DA concludes that there is a just cause for withdrawing the designation.
2. A CAB whose designation, and recognition in case of MRA, has been suspended or withdrawn shall be removed from the list of designated CABs, in case it fails to take corrective measures.
3. DA shall keep the designation of a Designated CAB under suspension, until the completion of formal review process.

E. AMENDMENT TO THE SCHEME

DA reserves the rights to amend the scheme, as and when required, for the purpose of streamlining designation process.

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SCOPE OF DESIGNATION **(ANNEXURE)**

Laboratory Name: M/s OFC Testing Lab, Polycab India Limited, Gujarat
Plot No. 13, 15, 16A, 16B Halol Vadodara Road, Halol,
Gujarat-389350

Certificate Number: TEC/MRA/CAB/IND-D/112

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Validity: 31/08/2026 to 30/08/2029

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing#	Standard/Specification
1.	Optical Fibre Cable – Duct	Transmission Characteristics	Attenuation at 1310 nm IEC 60793-1-40
			Attenuation at 1550 nm IEC 60793-1-40
			Attenuation at 1625 nm IEC 60793-1-40
			PMD Cabled Loose Fibre IEC 60793-1-48
			PMD Cabled Ribbon Fibre IEC 60793-1-48
		Mechanical Characteristics	Tensile Strength IEC 60794-1-101
			Crush Resistance IEC 60794-1-21
			Impact test IEC 60794-1-104
			Bend Test IEC 60794-1-111
			Repeated Bend Test IEC 60794-1-21
			Torsion Test IEC 60794-1-107
			Cable Drip Test IEC 60794-1-22

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing#		Standard/Specification
	Optical Fibre Cable – Duct	Environmental Characteristics	Cable Aging Test IEC 60794-1-22	TEC ER No. TEC70022401
			Water Blocking Test (Water Penetration Test) IEC 60794-1-22	TEC ER No. TEC70022401
			Electrical Continuity Test IEC 60794-1-403	TEC ER No. TEC70022401
		Characteristics of Cable Elements (Buffer Tube)	Kink Resistance Test IEC 60794-1-23	TEC ER No. TEC70022401
		Characteristics of Cable Elements (Ribbed Fibre)	Ribbon Dimension IEC 60794-1-23	TEC ER No. TEC70022401
			Ribbon Twist Test Telecordia GR-20-CORE	TEC ER No. TEC70022401
			Ribbon Torsion Resistance IEC 60794-1-31	TEC ER No. TEC70022401
	Optical Fibre Cable – Direct Buried	Transmission Characteristics	Attenuation at 1310 nm IEC 60793-1-40	TEC ER No. TEC70022401
			Attenuation at 1550 nm IEC 60793-1-40	TEC ER No. TEC70022401
			Attenuation at 1625 nm IEC 60793-1-40	TEC ER No. TEC70022401
			PMD Cabled Loose Fibre IEC 60793-1-48	TEC ER No. TEC70022401
			PMD Cabled Ribbon Fibre IEC 60793-1-48	TEC ER No. TEC70022401

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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing#	Standard/ Specification
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	Optical Fibre Cable – Direct Buried	Mechanical Characteristics	Tensile Strength IEC 60794-1-101	TEC ER No. TEC70022401
			Crush Resistance IEC 60794-1-21	TEC ER No. TEC70022401
			Impact IEC 60794-1-104	TEC ER No. TEC70022401
			Bend Test IEC 60794-1-111	TEC ER No. TEC70022401
			Repeated Bend Test IEC 60794-1-21	TEC ER No. TEC70022401
			Torsion Test IEC 60794-1-107	TEC ER No. TEC70022401
			Cable Drip Test IEC 60794-1-22	TEC ER No. TEC70022401
		Environmental Characteristics	Cable Aging Test IEC 60794-1-22	TEC ER No. TEC70022401
			Water Blocking Test (Water Penetration Test) IEC 60794-1-22	TEC ER No. TEC70022401
			Electrical Continuity Test IEC 60794-1-403	TEC ER No. TEC70022401
		Characteristics of Cable Elements (Buffer Tube)	Kink Resistance Test IEC 60794-1-23	TEC ER No. TEC70022401

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing#	Standard/Specification
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	Optical Fibre Cable – Direct Buried	Characteristics of Cable Elements (Ribbed Fibre)	Ribbon Dimension IEC 60794-1-23	TEC ER No. TEC70022401
			Ribbon Twist Test Telecordia GR-20-CORE	TEC ER No. TEC70022401
			Ribbon Torsion Resistance IEC 60794-1-31	TEC ER No. TEC70022401
	Optical Fibre Cable – ADSS along Power Line	Transmission Characteristics	Attenuation at 1310 nm IEC 60793-1-40	TEC ER No. TEC70022401
			Attenuation at 1550 nm IEC 60793-1-40	TEC ER No. TEC70022401
			Attenuation at 1625 nm IEC 60793-1-40	TEC ER No. TEC70022401
			PMD Cabled Loose Fibre IEC 60793-1-48	TEC ER No. TEC70022401
			PMD Cabled Ribbon Fibre IEC 60793-1-48	TEC ER No. TEC70022401
		Mechanical Characteristics	Tensile Strength IEC 60794-1-101	TEC ER No. TEC70022401
			Crush Resistance IEC 60794-1-21	TEC ER No. TEC70022401
			Impact IEC 60794-1-104	TEC ER No. TEC70022401
			Bend Test IEC 60794-1-111	TEC ER No. TEC70022401
			Repeated Bend Test IEC 60794-1-21	TEC ER No. TEC70022401

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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing#	Standard/ Specification
	Optical Fibre Cable – ADSS along Power Line	Mechanical Characteristics	Torsion Test IEC 60794-1-107
			Cable Drip Test IEC 60794-1-22
			Galloping Test IEC 60794-1-21 IEEE 1222
		Environmental Characteristics	Cable Aging Test IEC 60794-1-22
			Water Blocking Test (Water Penetration Test) IEC 60794-1-22
		Characteristics of Cable Elements (Buffer Tube)	Kink Resistance Test IEC 60794-1-23
		Characteristics of Cable Elements (Ribbed Fibre)	Ribbon Dimension IEC 60794-1-23
			Ribbon Twist Test Telecordia GR-20-CORE
			Ribbon Torsion Resistance IEC 60794-1-31
	Optical Fibre Cable – Optical Ground Wire (OPGW)	Transmission Characteristics	Attenuation at 1310 nm IEC 60793-1-40
			Attenuation at 1550 nm IEC 60793-1-40

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ISO 9001: 2015

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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing#	Standard/ Specification
	Optical Fibre Cable – Optical Ground Wire (OPGW)	Transmission Characteristics	Attenuation at 1625 nm IEC 60793-1-40
			PMD Cabled Loose Fibre IEC 60793-1-48
		Mechanical Characteristics	Tensile Strength (Ultimate) IEEE 1138
			Creep Test IEEE 1138
			Stress Strain Test IEEE 1138
			Strain Margin Test / MRDT Test IEEE 1138
			Sheave Test IEEE 1138
			Crush Test IEEE 1138
			Bend Test IEEE 1138
			Torsion Test / Twist Test IEEE 1138
			Aeolian Vibration Test IEEE 1138
			Galloping Test IEEE 1138
			Drip Test IEEE 1138
			TEC ER No. TEC70022401

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing#	Standard/Specification
	Optical Fibre Cable – Optical Ground Wire (OPGW)	Electrical Characteristics	DC Resistance IEEE 1138
		Environmental Characteristics	Water Penetration Test IEEE 1138
	Optical Fibre Cable – Access Outdoor	Transmission Characteristics	Attenuation at 1310 nm IEC 60793-1-40
			Attenuation at 1550 nm IEC 60793-1-40
			Attenuation at 1625 nm IEC 60793-1-40
			PMD Cabled Loose Fibre IEC 60793-1-48
			PMD Cabled Ribbon Fibre IEC 60793-1-48
		Mechanical Characteristics	Tensile Strength IEC 60794-1-101
			Crush Resistance IEC 60794-1-21
			Impact IEC 60794-1-104
			Bend Test IEC 60794-1-111
			Repeated Bend Test IEC 60794-1-21
			Torsion Test IEC 60794-1-107

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing#		Standard/Specification
	Optical Fibre Cable – Access Outdoor	Mechanical Characteristics	Cable Drip Test IEC 60794-1-22	TEC ER No. TEC70022401
		Environmental Characteristics	Cable Aging Test IEC 60794-1-22	TEC ER No. TEC70022401
			Water Blocking Test (Water Penetration Test) IEC 60794-1-22	TEC ER No. TEC70022401
		Characteristics of Cable Elements (Buffer Tube)	Kink Resistance Test IEC 60794-1-23	TEC ER No. TEC70022401
		Characteristics of Cable Elements (Ribboned Fibre)	Ribbon Dimension IEC 60794-1-23	TEC ER No. TEC70022401
			Ribbon Twist Test Telecordia GR-20-CORE	TEC ER No. TEC70022401
			Ribbon Torsion Resistance IEC 60794-1-31	TEC ER No. TEC70022401

AD (CA-II), TEC

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