



National Accreditation Board for  
Testing and Calibration Laboratories

**CERTIFICATE OF ACCREDITATION**

**HFCL LTD. (OFC TESTING LAB)**

has been assessed and accredited in accordance with the standard

**ISO/IEC 17025:2017**

**"General Requirements for the Competence of Testing &  
Calibration Laboratories"**

for its facilities at

L-35,36,37, VERNA INDUSTRIAL ESTATE, VERNA, SOUTH GOA, GOA, INDIA

in the field of

**TESTING**

Certificate Number: TC-10244

Issue Date: 15/11/2023

Valid Until:

14/11/2025

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org))

Name of Legal Entity: HFCL Limited

Signed for and on behalf of NABL



N. Venkateswaran  
Chief Executive Officer



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

<b>Laboratory Name :</b>	HFCL LTD. (OFC TESTING LAB), L-35,36,37, VERNA INDUSTRIAL ESTATE, VERNA, SOUTH GOA, GOA, INDIA		
<b>Accreditation Standard</b>	ISO/IEC 17025:2017		
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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER	Coloured Fibre Wiping Test	IEC 60794-1-219
2	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER	Fiber Macro Bend	IEC 60793-2-50
3	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER	Fiber Macro Bend	IS/IEC 60793-1-47
4	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER	Fiber Macro Bend	ITU-T G.650.1
5	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER	Fiber Macro Bend	ITU-T G.65x
6	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Attenuation	IEC 60793-1-40 Method C
7	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Attenuation	IEC 60793-2-50
8	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Attenuation	ITU-T G.650.1
9	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Attenuation	ITU-T G.65x
10	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Chromatic Dispersion (CD)	IEC 60793-1-42 method C



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11	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Chromatic Dispersion (CD)	IEC 60793-2-50
12	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Chromatic Dispersion (CD)	ITU-T G.650.1
13	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Chromatic Dispersion (CD)	ITU-T G.65x
14	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Cladding Diameter	IEC 60793-1-20 method B
15	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Cladding Diameter	IEC 60793-2-50
16	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Cladding Diameter	ITU-T G.650.1
17	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Cladding Diameter	ITU-T G.65x
18	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Cladding Non-circularity	IEC 60793-1-20 method B
19	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Cladding Non-circularity	IEC 60793-2-50
20	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Cladding Non-circularity	ITU-T G.650.1
21	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Cladding Non-circularity	ITU-T G.65x



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22	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Cut off Wavelength	IEC 60793-1-44
23	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Cut off Wavelength	IEC 60793-2-50
24	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Cut off Wavelength	ITU-T G.650.1
25	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Cut off Wavelength	ITU-T G.65x
26	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Diameter of coating	IEC 60793-1-21 method A
27	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Diameter of coating	IEC 60793-2-50
28	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Mode Field diameter at 1310nm & 1550nm	IEC 60793-1-45 Method B
29	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Mode Field diameter at 1310nm & 1550nm	IEC 60793-2-50
30	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Mode Field diameter at 1310nm & 1550nm	ITU-T G.650.1
31	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Mode Field diameter at 1310nm & 1550nm	ITU-T G.65x
32	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	PMD	GR-20-CORE Issue 4 July 2013



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33	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	PMD	ICEA S-87-640
34	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	PMD	IEC 60793-2-50
35	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	PMD	IS/IEC 60793-1-48 Method A
36	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	PMD	ITU-T G.65x
37	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Slope at Zero dispersion	IEC 60793-1-42 method C
38	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Slope at Zero dispersion	IEC 60793-2-50
39	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Slope at Zero dispersion	ITU-T G.650.1
40	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Slope at Zero dispersion	ITU-T G.65x
41	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Spectral Attenuation	IEC 60793-1-40 Method A
42	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Spectral Attenuation	IEC 60793-2-50
43	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Spectral Attenuation	ITU-T G.650.1



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44	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Spectral Attenuation	ITU-T G.65x
45	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Zero Dispersion Wavelength	IEC 60793-1-42 method C
46	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Zero Dispersion Wavelength	IEC 60793-2-50
47	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Zero Dispersion Wavelength	ITU-T G.650.1
48	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER / OPTICAL FIBER CABLE	Zero Dispersion Wavelength	ITU-T G.65x
49	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE	Cable Freezing Test	IEC 60794-1-22, Method F15
50	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE	Cable Material Compatibility	ICEA S-87-640
51	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE	Cable Material Compatibility	GR-20-CORE Issue 4 July 2013
52	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE	Check of easy removal of sheath	TEC 85190
53	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE	Check of the effect of aggression media on the cable (pH 4 & pH 10)	ISO175
54	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE	Check of the effect of aggression media on the cable (pH 4 & pH 10)	TEC 85190



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55	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE	Creep Test	IEC 61395
56	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE	Creep Test	IS/IEC 60794-4-20
57	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE	Creep Test	TEC 85190
58	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE	Electrical continuity test	IEC 60794-1-403
59	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE	Rip cord functional test	GR-20-CORE Issue 4 July 2013
60	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE	Rip cord functional test	ICEA S-87-640
61	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE	Rip cord functional test	IEC 60794-1-21 Method E25
62	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE	Sheave Test	IEC 60794-1-21, Method E18: 2015 + Amd 1
63	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE	Sheave Test	IEC 60794-4-20
64	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE	Test of Figure of 8 (Eight) on the cable	TEC 85190
65	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE	Water Penetration Test	FOTP-82



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66	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE	Water Penetration Test	GR-20-CORE Issue 4 July 2013
67	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE (RIBBON)	Ribbon Compression Resistance	QM-331/ISSUE-2
68	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE (RIBBON)	Ribbon Dimension	FOTP-123
69	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE (RIBBON)	Ribbon Dimension	GR-20-CORE Issue 4 July 2013
70	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE (RIBBON)	Ribbon Dimension	ICEA S-87-640
71	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE (RIBBON)	Ribbon Dimension	IEC 60794-1-23
72	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE (RIBBON)	Ribbon Dimension	IEC 60794-1-31
73	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE (RIBBON)	Ribbon Dimension	IEC 60794-3
74	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE (RIBBON)	Ribbon Micro-bend	IEC 60794-1-23 Method G1
75	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE (RIBBON)	Ribbon Stripability Test	GR-20-CORE Issue 4 July 2013
76	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE (RIBBON)	Ribbon Stripability Test	ICEA S-87-640



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77	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE (RIBBON)	Ribbon Stripability Test	IEC 60794-3
78	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE (RIBBON)	Ribbon Torsion Resistance	ICEA S-87-640
79	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE (RIBBON)	Ribbon Torsion Resistance	GR-20-CORE Issue 4 July 2013
80	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE (RIBBON)	Ribbon Torsion Resistance	IEC 60794-1-31
81	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE (RIBBON)	Ribbon Torsion Resistance	IEC 60794-3
82	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE (RIBBON)	Ribbon Twist Test	GR-20-CORE Issue 4 July 2013
83	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE (RIBBON)	Ribbon Twist Test	ICEA S-87-640
84	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE (RIBBON)	Ribbon Twist Test	IEC 60794-1-23
85	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE (RIBBON)	Separability of individual fibres from ribbon	IEC 60794-1-23
86	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE (RIBBON)	Separability of individual fibres from ribbon	IEC 60794-1-31
87	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE (RIBBON)	Separability of individual fibres from ribbon	IEC 60794-3



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88	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE / LOOSE TUBE	Drainage Test	TEC 85190
89	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE / LOOSE TUBE	Tube Kink Resistance Test	IEC 60794-1-23 method G7
90	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE / LOOSE TUBE	Tube Kink Resistance Test	IEC 60794-3
91	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE / LOOSE TUBE	Tube Kink Resistance Test	IS/IEC 60794-3-11
92	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE / LOOSE TUBE	Tube Kink Resistance Test	TEC 85190
93	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE / LOOSE TUBES	Embrittlement Test of loose Tube	TEC 85190
94	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE/ LOOSE TUBE	Physical Dimensions	ASTM D2633
95	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE/ LOOSE TUBE	Physical Dimensions	ASTM D4565
96	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE/ LOOSE TUBE	Physical Dimensions	ICEA S-87-640
97	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE/ LOOSE TUBE	Physical Dimensions	IEC 60811-202:2012/ Amd 1
98	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLE/ LOOSE TUBE	Physical Dimensions	IEC 60811-203



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99	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Abrasion Test	GR-20-CORE Issue 4, July 2013
100	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Abrasion Test	ICEA S-87-640
101	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Abrasion Test	IEC 60794-1-21 method E2:2015/AMD1
102	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Abrasion Test	IEC 60794-3
103	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Abrasion Test	IEC 60794-3-70
104	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Abrasion Test	IEC 60794-5-10
105	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Abrasion Test	IS/IEC 60794-2
106	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Abrasion Test	IS/IEC 60794-3-10
107	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Abrasion Test	IS/IEC 60794-3-11
108	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Abrasion Test	ITU-T L.109
109	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Abrasion Test	ITU-T L.110



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## SCOPE OF ACCREDITATION

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
110	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Cable Ageing Test	GR-20-CORE Issue 4 July 2013
111	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Cable Ageing Test	IEC 60794-1-22 Method F9
112	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Cable Ageing Test	IEC 60794-3
113	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Cable Ageing Test	IEC 60794-3-70
114	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Cable Ageing Test	IEC 60794-5-10
115	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Cable Ageing Test	IS/IEC 60794-3-10
116	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Cable Ageing Test	ITU-T Rec. L.110
117	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Cable Ageing Test	ITU-T Rec. L.111
118	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Cable Bend Test	FOTP-88
119	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Cable Bend Test	IEC 60794-1-21 Method E11 : 2015/AMD1
120	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Cable Bend Test	IEC 60794-3



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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
121	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Cable Bend Test	IEC 60794-3-70
122	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Cable Bend Test	IEC 60794-5-10
123	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Cable Bend Test	IS/IEC 60794-2
124	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Cable Bend Test	IS/IEC 60794-3-10
125	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Cable Bend Test	IS/IEC 60794-3-11
126	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Cable Bend Test	ITU-T Rec. L.109
127	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Cable Bend Test	ITU-T Rec. L.110
128	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Cable Bend Test	ITU-T Rec. L.111
129	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Crush Resistance Test	FOTP-41
130	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Crush Resistance Test	GR-20-CORE Issue 4 July 2013
131	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Crush Resistance Test	ICEA S-87-640



# National Accreditation Board for Testing and Calibration Laboratories

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GOA, GOA, INDIA

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132	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Crush Resistance Test	IEC 60794-1-21 Method E3: 2015/AMD1
133	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Crush Resistance Test	IEC 60794-3
134	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Crush Resistance Test	IEC 60794-3-70
135	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Crush Resistance Test	IEC 60794-5-10
136	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Crush Resistance Test	IS/IEC 60794-2
137	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Crush Resistance Test	IS/IEC 60794-3-10
138	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Crush Resistance Test	IS/IEC 60794-3-11
139	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Crush Resistance Test	ITU-T Rec. L.109
140	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Crush Resistance Test	ITU-T Rec. L.110
141	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Crush Resistance Test	ITU-T Rec. L.111
142	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Drip Test	FOTP-81



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143	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Drip Test	GR-20-CORE Issue 4 July 2013
144	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Drip Test	ICEA S-87-640
145	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Drip Test	IEC 60794-1-22 method F16
146	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Impact Test	FOTP-25
147	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Impact Test	GR-20-CORE Issue 4 July 2013
148	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Impact Test	ICEA S-87-640
149	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Impact Test	IEC 60794-1-21 Method E4 : 2015/AMD1
150	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Impact Test	IEC 60794-3
151	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Impact Test	IEC 60794-3-70
152	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Impact Test	IEC 60794-5-10
153	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Impact Test	IS/IEC 60794-2



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154	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Impact Test	IS/IEC 60794-3-10
155	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Impact Test	IS/IEC 60794-3-11
156	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Impact Test	ITU-T Rec. L.109
157	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Impact Test	ITU-T Rec. L.110
158	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Impact Test	ITU-T Rec. L.111
159	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Kink Test	IEC 60794-1-21 Method E10 :2015/ AMD1
160	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Kink Test	IEC 60794-3
161	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Kink Test	IEC 60794-3-70
162	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Kink Test	IEC 60794-5-10
163	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Kink Test	IS/IEC 60794-2
164	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Kink Test	ITU-T L.109



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165	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Kink Test	ITU-T L.110
166	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Kink Test	ITU-T L.111
167	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Optical Length	IEC 60793-1-22 Method B
168	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Repeated Bend Test	FOTP-104
169	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Repeated Bend Test	GR-20-CORE Issue 4 July 2013
170	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Repeated Bend Test	ICEA S-87-640
171	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Repeated Bend Test	IEC 60794-1-21 Method E6: 2015/AMD1
172	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Repeated Bend Test	IEC 60794-3
173	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Repeated Bend Test	IEC 60794-3-70
174	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Repeated Bend Test	IEC 60794-5-10
175	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Repeated Bend Test	IS/IEC 60794-2



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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
176	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Repeated Bend Test	IS/IEC 60794-3-10
177	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Repeated Bend Test	IS/IEC 60794-3-11
178	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Repeated Bend Test	ITU-T Rec. L.109
179	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Repeated Bend Test	ITU-T Rec. L.110
180	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Repeated Bend Test	ITU-T Rec. L.111
181	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Temperature Cycle Test	FOTP-3
182	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Temperature Cycle Test	GR-20-CORE Issue 4 July 2013
183	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Temperature Cycle Test	ICEA S-87-640
184	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Temperature Cycle Test	IEC 60794-1-22 Method F1
185	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Temperature Cycle Test	IEC 60794-3
186	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Temperature Cycle Test	IEC 60794-3-70



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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
187	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Temperature Cycle Test	IEC 60794-5-10
188	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Temperature Cycle Test	IS/IEC 60794-3-10
189	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Temperature Cycle Test	IS/IEC 60794-3-11
190	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Temperature Cycle Test	ITU-T Rec. L.110
191	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Temperature Cycle Test	ITU-T Rec. L.111
192	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Tensile Test & Strain Measurement	IEC 60794-1-21 Method E1: 2015/AMD1
193	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Tensile Test & Strain Measurement	FOTP-33
194	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Tensile Test & Strain Measurement	GR-20-CORE Issue 4 July 2013
195	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Tensile Test & Strain Measurement	ICEA S-87-640
196	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Tensile Test & Strain Measurement	IEC 60794-3
197	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Tensile Test & Strain Measurement	IEC 60794-3-70



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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
198	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Tensile Test & Strain Measurement	IEC 60794-5-10
199	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Tensile Test & Strain Measurement	IS/IEC 60794-2
200	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Tensile Test & Strain Measurement	IS/IEC 60794-3-10
201	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Tensile Test & Strain Measurement	IS/IEC 60794-3-11
202	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Tensile Test & Strain Measurement	ITU-T Rec. L.109
203	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Tensile Test & Strain Measurement	ITU-T Rec. L.110
204	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Tensile Test & Strain Measurement	ITU-T Rec. L.111
205	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Torsion Test	FOTP-85
206	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Torsion Test	GR-20-CORE Issue 4 July 2013
207	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Torsion Test	ICEA S-87-640
208	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Torsion Test	IEC 60794-1-21 Method E7: 2015/AMD1



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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
209	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Torsion Test	IEC 60794-3
210	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Torsion Test	IEC 60794-3-70
211	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Torsion Test	IEC 60794-5-10
212	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Torsion Test	IS/IEC 60794-2
213	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Torsion Test	IS/IEC 60794-3-10
214	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Torsion Test	IS/IEC 60794-3-11
215	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Torsion Test	ITU-T L.111
216	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Torsion Test	ITU-T Rec. L.109
217	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Torsion Test	ITU-T Rec. L.110
218	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Water Penetration Test	ICEA S-87-640
219	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Water Penetration Test	IEC 60794-1-22 method F5



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<b>Certificate Number</b>	TC-10244		
<b>Validity</b>	15/11/2023 to 14/11/2025		

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
220	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Water Penetration Test	IEC 60794-3
221	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Water Penetration Test	IEC 60794-3-70
222	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Water Penetration Test	IEC 60794-5-10
223	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Water Penetration Test	IS/IEC 60794-3-10
224	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Water Penetration Test	IS/IEC 60794-3-11
225	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER CABLES	Water Penetration Test	ITU-T Rec. L.110
226	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER/ OPTICAL FIBER CABLE	Peak Stripability force to remove primary coating of the fiber	IEC 60793-1-1
227	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER/ OPTICAL FIBER CABLE	Peak Stripability force to remove primary coating of the fiber	IEC 60793-1-32
228	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	OPTICAL FIBER/ OPTICAL FIBER CABLE	Peak Stripability force to remove primary coating of the fiber	IEC 60793-2-50