National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : APAR INDUSTRIES LIMITED (OPTICAL FIBER CABLE LAB), SURVEY NO. 6074, 2228, 1991, 6341/P1, 2219, 2221, KHATALWADA-MANEKPUR ROAD, VAPI, VALSAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9340 **Page No** 1 of 2

Validity 23/03/2021 to 22/03/2023 **Last Amended on** -

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	ELECTRICAL- CABLES & WIRES	Bundled assembled cores for overhead systems of rated voltages 0.6/1 kV	Behavior of neutral core under thermal and mechanical stresses	NFC-33-209
2	ELECTRICAL- CABLES & WIRES	Covered conductors for overhead lines for rated voltages above 1 kV a.c. and not exceeding 36 kV AC	Slippage Test	EN 50397-1
3	ELECTRICAL- CABLES & WIRES	Overhead distribution cables of rated voltage Uo/U(Um): 0,6/1 (1,2) kV	Behaviour of cable under combined thermal and mechanical stresses	DS/HD 626 S1/A2
4	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fiber/Optical Fiber Cable/OPGW Cable	Cut Off Wavelength Test	IEC 60793-1-44
5	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fiber Cable/OPGW Cable	Aeolian Vibration Test	IEC 60794-1-21 Method E19 & IEEE 1138
6	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fiber Cable/OPGW Cable	Bend Test	IEC 60794-1-21 Method E11 & IEEE 1138
7	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fiber Cable/OPGW Cable	Crush Test	IEC 60794-1-21 Method E3 IEEE 1138
8	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fiber Cable/OPGW Cable	Galloping Test	IEC 60794-1-21 Method E26 & IEEE 1138
9	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fiber Cable/OPGW Cable	Impact Test	IEC 60794-1-21 Method-E4
10	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fiber Cable/OPGW Cable	Repeated Bend Test	IEC 60794-1-21 Method E6
11	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fiber Cable/OPGW Cable	Sheave Test	IEC 60794-1-21 Method E18B & IEEE-1138
12	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fiber Cable/OPGW Cable	Strain Margin Test	IEC 60794-1-21 Method E1 & IEEE 1138
13	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fiber Cable/OPGW Cable	Tensile Performance Test	IEC 60794-1-21 Method E1

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14	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fiber Cable/OPGW Cable	Torsion Test	IEC 60794-1-21 Method E7
15	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fiber/Optical Fiber Cable/OPGW Cable	Attenuation Measurement	IEC 60793-1-40 Method C
16	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fiber/Optical Fiber Cable/OPGW Cable	Chromatic dispersion Test	IEC 60793-1-42
17	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fiber/Optical Fiber Cable/OPGW Cable	Cladding Diameter	EIA/TIA 455-176 & IEC 60793-1-20
18	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fiber/Optical Fiber Cable/OPGW Cable	Cladding Non-circularity	EIA/TIA 455-176 & IEC 60793-1-20
19	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fiber/Optical Fiber Cable/OPGW Cable	Core Clad Concentricity Error	EIA/TIA 455-176 & IEC 60793-1-20
20	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fiber/Optical Fiber Cable/OPGW Cable	Diameter Over Primary Coated	EIA/TIA 455-176 & IEC 60793-1-20
21	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fiber/Optical Fiber Cable/OPGW Cable	Mode field diameter of SM fibers at 1310 nm, 1550 nm	IEC 60793-1-45
22	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fiber/Optical Fiber Cable/OPGW Cable	Optical Length	IEC 60793-1-22
23	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fiber/Optical Fiber Cable/OPGW Cable	Polarization mode dispersion (PMD) Test	IEC 60793-1-48
24	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fiber/Optical Fiber Cable/OPGW Cable	Temperature Cycle Test	IEC 60794-1-22 Method F1 & IEEE 1138
25	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fiber/Optical Fiber Cable/OPGW Cable	Zero Dispersion Slope Test	IEC 60793-1-42
26	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fiber/Optical Fiber Cable/OPGW Cable	Zero Dispersion Wavelength Test	IEC 60793-1-42