National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TG ADVAIT INDIA PVT. LTD. QUALITY CONTROL LABORATORY, PLOT NO. PE-42 & 43, VILLAGE CHHARODI, GIDC-II, SANAND, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9254 **Page No** 1 of 4

Validity 10/02/2021 to 09/02/2023 **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-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Clad Steel Wire / Optical Ground Wire Cable	DC Resistance	IEC 61232, Cl no 6.3.5 / IEEE 1138, Clause no. 6.4.1.5
2	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Optical Ground Wire Cable	Attenuation (OTDR) (For Single mode fiber at 1310nm)	IEC 60793-1-40
3	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Optical Ground Wire Cable	Attenuation (OTDR) For Single mode fiber at 1550nm	IEC 60793-1-40
4	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Optical Ground Wire Cable	Attenuation at Water Peak @1383 nm	IEC 60793-1-40
5	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Optical Ground Wire Cable	Mode field diameter @1310 nm	IEC 60793-1-45
6	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Optical Ground Wire Cable	Point Discontinuity at 1310 nm	IEC 60793-1-40
7	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Optical Ground Wire Cable	Point Discontinuity at 1550 nm	IEC 60793-1-40
8	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Optical Ground Wire Cable	Sheave Test	IEEE 1138, Clause no. 6.4.2.1
9	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Optical Ground Wire Cable / Optical Fiber	Chromatic Dispersion (At Wavelength 1271 nm to 1360 nm)	IEC 60793-1-42
10	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Optical Ground Wire Cable / Optical Fiber	Chromatic Dispersion (At Wavelength 1550 nm)	IEC 60793-1-42

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11	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Optical Ground Wire Cable / Optical Fiber	Chromatic Dispersion (Zero Dispersion Slope)	IEC 60793-1-42
12	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Optical Ground Wire Cable / Optical Fiber	Chromatic Dispersion (Zero Dispersion Wavelength)	IEC 60793-1-42
13	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Optical Ground Wire Cable / Optical Fiber	Chromatic Dispersion (At Wavelength 1288 nm to 1339 nm)	IEC 60793-1-42
14	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Optical Ground Wire Cable / Optical Fiber	Fiber Cutoff Wavelength	IEC 60793-1-44
15	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Optical Ground Wire Cable / Optical Fiber	Fiber Geometry (Cladding Diameter)	IEC 60793-1-20
16	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Optical Ground Wire Cable / Optical Fiber	Fiber Geometry (Cladding to Coating Concentricity Error)	IEC 60793-1-20
17	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Optical Ground Wire Cable / Optical Fiber	Fiber Geometry (Coating Diameter)	IEC 60793-1-20
18	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Optical Ground Wire Cable / Optical Fiber	Fiber Geometry (Coating Thickness)	IEC 60793-1-20
19	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Optical Ground Wire Cable / Optical Fiber	Fiber Geometry (Core Diameter)	IEC 60793-1-20
20	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Optical Ground Wire Cable / Optical Fiber	Fiber Geometry (Core to Cladding Concentricity Error)	IEC 60793-1-20
21	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Optical Ground Wire Cable / Optical Fiber	Fiber Geometry (Non Circularity of Cladding)	IEC 60793-1-20

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22	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Optical Ground Wire Cable / Optical Fiber	Fiber Geometry (Non Circularity of Coating)	IEC 60793-1-20
23	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Clad Steel	Tensile Strength	IEC 61232
24	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Clad Steel Wire	Coating Thickness	IEC 61232
25	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Clad Steel Wire	Elongation	IEC 61232
26	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Clad Steel Wire	Measurement of Diameter	IEC 61232
27	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium Clad Steel Wire	Torsion Test	IEC 61232
28	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Optical Ground Wire Cable	Aeolian Vibration	IEEE 1138, Clause no. 6.4.3.1
29	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Optical Ground Wire Cable	Bend Test	IEEE 1138, Clause no. 6.4.2.3
30	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Optical Ground Wire Cable	Crush Test	IEEE 1138, Clause no. 6.4.2.2
31	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Optical Ground Wire Cable	Galloping Test	IEEE 1138, Clause no. 6.4.3.2
32	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Optical Ground Wire Cable	Impact Test	IEC 60794-1-2 (Old-1999 version)
33	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Optical Ground Wire Cable	Lay Direction Measurement	IEEE 1138, Clause no. 6.5.3.1
34	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Optical Ground Wire Cable	Lay Length Measurement	IEEE 1138, Clause no. 6.5.3.1

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35	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Optical Ground Wire Cable	Lay Ratio Measurement	IEEE 1138, Clause no. 6.5.3.1
36	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Optical Ground Wire Cable	Long Term Creep Test	IEEE 1138, Clause no. 6.4.1.1
37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Optical Ground Wire Cable	Measurement of diameter	IEEE 1138, Clause 6
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Optical Ground Wire Cable	Seepage of flooding / filling compound	IEEE 1138, Clause no. 6.4.3.6
39	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Optical Ground Wire Cable	Strain Margin Test MRDT : 1550 nm ± 20 nm	IEEE 1138, Clause no. 6.4.1.3
40	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Optical Ground Wire Cable	Stress Strain Test	IEEE 1138, Clause no. 6.4.1.2
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Optical Ground Wire Cable	Twist Test	IEEE 1138, Clause no. 6.4.2.4
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Optical Ground Wire Cable	Ultimate Tensile Strength / Rated Tensile strength (on Complete OPGW)	IEEE 1138, Clause no. 6.4.1.4
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Optical Ground Wire Cable	Water Ingress Test	IEEE 1138, Clause no. 6.4.3.5