National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : STERLITE POWER TRANSMISSION LIMITED (OPTICAL POWER GROUND WIRE LABORATORY), SURVEY NO.209, PHASE -2, PIPARIA INDUSTRIAL ESTATE, SILVASSA, DADRA AND NAGAR HAVELI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7037 **Page No** 1 of 2

Validity 16/03/2022 to 15/03/2024 **Last Amended on** 09/06/2022

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	Aluminium Clad Steel Wires & Aluminium Alloy Wires (ACS / AA Wires)	Bending (on AA Wires)	IEC 60104
2	ELECTRICAL- CABLES & WIRES	Aluminium Clad Steel Wires & Aluminium Alloy Wires (ACS / AA Wires)	Tensile on ACS and Aluminium Alloy wires	IEC 61232
3	ELECTRICAL- CABLES & WIRES	Aluminium Clad Steel Wires & Aluminium Alloy Wires (ACS / AA Wires)	Twist (on ACS Wires)	IEC 61232
4	ELECTRICAL- CABLES & WIRES	Aluminium Clad Steel Wires & Aluminium Alloy Wires (ACS / AA Wires)	Elongation on ACS and Aluminium Alloy Wires	IEC 61232
5	ELECTRICAL- CABLES & WIRES	Aluminium Clad Steel Wires & Aluminium Alloy Wires (ACS / AA Wires)	Resistivity	IEC 60104
6	ELECTRICAL- CABLES & WIRES	Aluminum Clad Steel Wires & Aluminum Alloy Wires (ACS / AA Wires)	Resistivity	IEC 61232
7	ELECTRICAL- CABLES & WIRES	Optical Ground Wire Cable	DC Resistance	IEEE 1138, Cl. 6.5.1.5
8	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Ground Wire Cable	Aeolian Vibration	IEEE 1138, Cl. 6.5.3.1
9	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Ground Wire Cable	Attenuation For Single mode fiber @ 1550nm (Point discontinuity)	IEC 60793-1-40
10	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Ground Wire Cable	Attenuation For Single mode fiber @ 1310nm (Point discontinuity)	IEC 60793-1-40
11	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Ground Wire Cable	Bend test	IEEE 1138,Cl. 6.5.2.3
12	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Ground Wire Cable	Creep Test	IEEE 1138, Cl. 6.5.1.1
13	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Ground Wire Cable	Crush Test (Change in attenuation)	IEEE 1138,Cl. 6.5.2.2
14	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Ground Wire Cable	Crush Test (Ovality)	IEEE 1138,Cl. 6.5.2.2
15	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Ground Wire Cable	Diameter of cable, sus tube, ACS Wire, Al Alloy	IEEE 1138,Cl. 6.5.1 (C)

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16	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Ground Wire Cable	Galloping	IEEE 1138, Cl. 6.5.3.2
17	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Ground Wire Cable	Impact Test	IEC 60794-1-21 Method E4
18	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Ground Wire Cable	Lay Ratio and Lay Direction	IEEE 1138,Cl.3.2.d
19	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Ground Wire Cable	Seepage of flooding/ filling compound ((Upto 50 g at 60 DegC to 80DegC)	IEEE 1138,Cl. 6.5.3.6
20	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Ground Wire Cable	Sheave Test (Change in attenuation)	IEEE 1138, Cl. 6.5.2.1
21	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Ground Wire Cable	Sheave Test (Ovality)	IEEE 1138,Cl. 6.5.2.1
22	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Ground Wire Cable	Stress Strain Test	IEEE 1138,Cl. 6.5.1.2
23	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Ground Wire Cable	Twist	IEEE 1138,Cl. 6.5.2.4
24	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Ground Wire Cable	Ultimate Tensile Strength (Change in attenuation)	IEEE 1138,Cl. 6.5.1.4
25	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Ground Wire Cable	Ultimate Tensile Strength (Ultimate load)	IEEE 1138,Cl. 6.5.1.4
26	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Ground Wire Cable	Water Ingress	IEEE 1138,Cl. 6.5.3.5
27	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Power Ground Wire Cable	MRDT	IEEE 1138, Cl 6.5.1.3