



**National Accreditation Board for
Testing and Calibration Laboratories**

CERTIFICATE OF ACCREDITATION

KINECTRICS INDIA PRIVATE LIMITED

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

SY NO: 125, BANDA MAILARAM VILLAGE, HYDERABAD, SIDDIPET, TELANGANA, INDIA

in the field of

TESTING

Certificate Number: TC-9423

Issue Date: 14/04/2023

Valid Until: 13/04/2025

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)

Name of Legal Entity: KINECTRICS INDIA PRIVATE LIMITED

Signed for and on behalf of NABL



N. Venkateswaran
Chief Executive Officer



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Permanent Testing				
1	CHEMICAL-CORROSION TESTS	Optical Fibre Cables / OPGW	Salt Spray Corrosion Test	IEEE 1138 Cl.6.5.3.8: 2021, ASTM B117
2	CHEMICAL-CORROSION TESTS	Stranded conductors, Carbon Fiber Thermoset Polymer Matrix Composite Core (CFC)	Salt spray test	ASTM B 117
3	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Alloy Stranded Conductor - AL 59 Conductor	Resistance Test	SS 4240814 Cl.8
4	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Alloy Stranded Conductor - AL 59 Conductor	Resistivity Test	SS 4240813 Cl.1.4
5	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Alloy Stranded Conductor AL 59 Conductor	Tensile Test on Joints in Aluminium Wire	SS 4240813 Cl.6
6	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Alloy Stranded Conductor AL 59 Conductor	Tensile Test on Joints in Aluminium Wire	SS 4240814 Cl.9
7	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Alloy Stranded Conductors (Aluminium-Magnesium-Silicon Type)	Measurement of Diameter	IS 398 Part-4 Cl.7.1
8	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Clad Steel Wires for Electrical Purposes	Thickness of Aluminium	IEC 61232 Cl.6.3.4
9	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Conductor and Aluminium Conductor Steel - Reinforced	Conductor Diameter	BS 215-1 Cl. 3.2 and Table 3



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10	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Conductor and Aluminium Conductor Steel - Reinforced	Conductor Diameter	BS 215-2 Cl.3.2 and Table 4
11	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Conductor and Aluminium Conductor Steel - Reinforced	Diameter	BS 215-1 Cl. 3.1 and Table 2
12	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Conductor and Aluminium Conductor Steel - Reinforced	Diameter	BS 215-2 Cl.3.1 and Table 2, 3
13	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Conductor and Aluminium Conductor Steel - Reinforced	Elongation Test	BS 215-2 Cl.4.3.2
14	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Conductor and Aluminium Conductor Steel - Reinforced	Galvanizing Test	BS 215-2 Cl.4.3.2
15	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Conductor and Aluminium Conductor Steel - Reinforced	Lay Ratio	BS 215-1 Cl. 3.4.2 and Table 1
16	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Conductor and Aluminium Conductor Steel - Reinforced	Lay Ratio	BS 215-2 Cl.3.4.2 and Table 1
17	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Conductor and Aluminium Conductor Steel - Reinforced	Stress at 1 Percentage	BS 215-2 Cl.4.3.2
18	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Conductor and Aluminium Conductor Steel - Reinforced	Tensile Test	BS 215-1 Cl. 4.3 and Table 2 / BS 2627 Cl.1.7



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19	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Conductor and Aluminium Conductor Steel - Reinforced	Tensile Test	BS 215-2 Cl. 4.3 and Table 2, 3 / BS 2627 Cl.1.7
20	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Conductor and Aluminium Conductor Steel - Reinforced	Torsion Test	BS 215-2 Cl.4.3.2
21	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Conductor and Aluminium Conductor Steel - Reinforced	Wrapping Test	BS 215-1 Cl.4.3 / BS 2627 Cl.1.9
22	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Conductor and Aluminium Conductor Steel - Reinforced	Wrapping Test	BS 215-2 Cl. 4.3 / BS 2627 Cl.1.9
23	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Conductor and Aluminium Conductor Steel- Reinforced	Resistivity Test	BS 215-1 Cl. 4.3, 1.3.1, 1.3.4
24	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Conductor and Aluminium Conductor Steel- Reinforced	Resistivity Test	BS 215-2 Cl.4.3, 1.3.1, 1.3.4
25	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Conductor Galvanized Steel Reinforced	Galvanizing Test	IS 398 Part-2 Cl.13.7: 1996 / IS 4826
26	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Conductor Galvanized Steel Reinforced	Galvanizing Test	IS 398 Part-5 Cl.13.9: 1992 / IS 4826
27	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Conductor Galvanized Steel Reinforced	Measurement of Diameter of Individual Aluminium Wire and Galvanized Steel Wire	IS 398 Part-2 Cl.13.2



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28	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Conductor Galvanized Steel Reinforced	Measurement of Diameters of Individual Aluminium and Steel wires	IS 398 Part-5 Cl.13.3
29	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Conductor Steel Supported (ACSS)	Conductor Diameter	BS EN 50540 Cl.6.4.2
30	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Conductor Steel Supported (ACSS)	Measurement of Diameter	BS EN 50540 Cl.6.5.2
31	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Conductor Steel Supported (ACSS)	Thickness of Aluminium	BS EN 50540 Table 12, Cl. 6.5.2: 2010 / IEC 61232 Cl.6.3.4
32	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Conductors Steel Support (ACSS)	Aluminium Wire Cross Section Area	BS EN 50540 Cl.6.5.2
33	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Conductors Steel Supported (ACSS)	Mass of Zinc Coating	BS EN 50540 Table 12: 2010 / BS EN 10244-2 Cl.5.2
34	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium conductors steel supported (ACSS)	Surface Condition Test	BS EN 50540 Cl.6.4.1
35	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium Conductors Steel Supported (ACSS)	Zinc Dip Test	BS EN 50540 Table 12: 2010 / BS EN 10244-2 Cl.5.3
36	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminium-clad steel wires for electrical purposes	Resistivity test	IEC 61232 Cl. 6.3.5



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37	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminum 1350 Round Wire, Annealed and Intermediate Temper - Wire	Measurement of Diameter	ASTM B609/B609M Cl.14.3
38	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminum 1350 Round Wire, Annealed and Intermediate Temper - Wire	Resistivity Test	ASTM B609/B609M Cl.9 and 14.2: 2021 / ASTM B193
39	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminum 1350 Round Wire, Annealed and Intermediate Temper - Wire	Surface Condition	ASTM B609/B609M Cl.6
40	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminum 1350 Round Wire, Annealed and Intermediate Temper - Wire	Tensile Strength Test	ASTM B609/B609M Cl.7 and 14: 2021 / ASTM B557
41	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminum 1350 Round Wire, Annealed and Intermediate Temper - Wire	Tensile Test on Joints in Aluminium Wire	ASTM B609/B609M Cl.7.2: 2021 / ASTM B557
42	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminum 1350-H19 Wire	Elongation Test	ASTM B230/B230M Cl.7.1: 2022 and 14.3 / ASTM B557
43	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminum 1350-H19 Wire	Resistivity Test	ASTM B230/B230M Cl.9 and 14.4: 2022 / ASTM B193
44	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminum 1350-H19 Wire	Tensile Strength Test	ASTM B230/B230M Cl.7: 2022 / ASTM B557
45	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminum 1350-H19 Wire	Tensile Test on Joints in Aluminium Wire	ASTM B230/B230M Cl.7.3



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46	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminum 1350-H19 Wire	Wrapping Test	ASTM B230/B230M Cl.8
47	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminum Alloy 6201- T81 and 6201-T83 Wire	Diameter	ASTM B398/B398 Cl.11
48	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminum Alloy 6201- T81 and 6201-T83 Wire	Elongation Test	ASTM B398/B398M Cl.14.2: 2022 / ASTM B557
49	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminum Alloy 6201- T81 and 6201-T83 Wire	Tensile Strength Test	ASTM B398/B398M Cl.14.2: 2022 / ASTM B557
50	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminum Alloy 6201- T81 and 6201-T83 Wire	Tensile Test on Joints in Aluminium wire	ASTM B398/B398M Cl.7.3: 2022 / ASTM B557
51	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminum Alloy 6201- T81 and 6201-T83 Wire	Wrapping Test	ASTM B398/B398M Cl.8
52	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminum Alloy 6201-T81 and 6201-T83 Wire	Resistivity Test	ASTM B398/B398M Cl.9:2022 / ASTM B193
53	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Aluminum-Clad Steel Core Wire	Stress at 1% Extension	ASTM B502/B502M Cl.5.1
54	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Cast Aluminum- and Magnesium-Alloy Products	Tensile Strength Test	ASTM B557M-15



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55	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Clamp fittings and accessories for conductors	Heating cycle test	PGCIL Specification Section VI B Annexure A Cl. 1.5, 2.1
56	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Coated or Cladded Metallic Wire for Concentric Lay Stranded Conductor	Aluminium Cladding Thickness Test	IEC 63248 Cl. 7.4.5.1.2
57	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Concentric - Lay - Stranded Aluminum 1350 Conductors	Measurement of Diameter	ASTM B231/B231M Cl.8.2
58	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Concentric - Lay - Stranded Aluminum 1350 Conductors	Tensile Strength Test	ASTM B231/B231M Cl.14.3
59	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Concentric lay stranded overhead electrical conductors containing one or more gap (s)	Surface Condition	IEC 62420 Cl.6.3.4
60	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Concentric lay stranded overhead electrical conductors containing one or more gap(s)	Measurement of Diameter	IEC 62420 Cl.6.3.1.1, 6.3.1.2
61	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Concentric-Lay - Stranded Aluminum - Alloy Conductors, Steel Reinforced (AACSR) (6201)	Lay Length and Lay Direction	ASTM B711 Cl.7: 2022 / ASTM B500/B500M
62	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Concentric-Lay - Stranded Aluminum - Alloy Conductors, Steel Reinforced (AACSR) (6201)	Surface Condition	ASTM B711 Cl.13
63	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Concentric-Lay - Stranded Aluminum 1350 Conductors	Lay length & Lay Direction	ASTM B231/B231M Cl.7



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64	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Concentric-Lay - Stranded Aluminum Conductors, Aluminum - Alloy Reinforced (ACAR, 1350/6201)	Conductor Diameter	ASTM B524/B524M Cl.7.1
65	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Concentric-Lay - Stranded Aluminum Conductors, Aluminum - Alloy Reinforced (ACAR, 1350/6201)	Surface Condition	ASTM B524/B524M Cl.12
66	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Concentric-Lay - Stranded Aluminum Conductors, Coated - Steel Reinforced (ACSR)	Wrapping Test	ASTM B232/B232M Cl.15.2 / ASTM B230/B230M Cl.8
67	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Concentric-Lay - Stranded Aluminum- Alloy Conductors, Steel Reinforced (AACSR) (6201)	Rated Tensile Strength	ASTM B711 Cl.9
68	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Concentric-Lay- Stranded Aluminum Conductors, Coated Steel Supported (ACSS)	Lay Ratio	ASTM B856 Cl.7: 2022 / ASTM B500/B500M
69	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Concentric-Lay- Stranded Aluminum- Alloy Conductors, Steel Reinforced (AACSR) (6201)	Diameter	ASTM B711 Cl.8.1 and Table 1
70	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Concentric-Lay-Stranded Aluminum 1350 Conductors	Conductor Diameter	ASTM B231/B231M Cl.8.3
71	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Concentric-Lay-Stranded Aluminum Conductors, Aluminum- Alloy Reinforced (ACAR, 1350/6201)	Measurement of Diameter	ASTM B524/B524M Cl.7.1
72	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Concentric-Lay-Stranded Aluminum Conductors, Coated - Steel Reinforced (ACSR)	Conductor Diameter	ASTM B232/B232M Cl.9.8



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73	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Concentric-Lay-Stranded Aluminum Conductors, Coated - Steel Reinforced (ACSR)	Lay Ratio	ASTM B232/B232M Cl.8: 2024 / ASTM B500/B500M
74	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Concentric-Lay-Stranded Aluminum Conductors, Coated - Steel Reinforced (ACSR)	Measurement of Diameter	ASTM B232/B232M Cl.9.2: 2024 / ASTM B957/B957M Cl.13
75	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Concentric-Lay-Stranded Aluminum Conductors, Coated - Steel Reinforced (ACSR)	Surface Condition	ASTM B232/B232M Cl.14
76	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Concentric-Lay-Stranded Aluminum Conductors, Coated - Steel Reinforced (ACSR)	Tensile Strength Test	ASTM B232/B232M Cl.15.3
77	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Concentric-Lay-Stranded Aluminum-Alloy 6201-T81 and 6201-T83 Conductors	Lay length & Lay Direction	ASTM B399/B399M Cl.7
78	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Concentric-Lay-Stranded Aluminum-Alloy 6201-T81 and 6201-T83 Conductors	Measurement of Diameter	ASTM B399/B399M Cl.8.1
79	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Concentric-Lay-Stranded Aluminum-Alloy 6201-T81 and 6201-T83 Conductors	Surface Condition	ASTM B399/B399M Cl.13
80	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Concentric-Lay-Stranded Aluminum-Alloy 6201-T81 and 6201-T83 Conductors	Wrapping Test	ASTM B399/B399M Cl.14.3: 2023 / ASTM B398/B398M Cl.8
81	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Concentric-Lay-Stranded Aluminum 1350 Conductors	Surface Condition	ASTM B231/B231M Cl.13



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82	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Conductor for Overhead lines Zinc coated steel wires	Tensile Test on Joints	BS EN 50189 Cl.9
83	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Conductor for Overhead Lines Zinc-Coated (Galvanized) Steel Core Wire	Resistivity Test	ASTM B498/B498M Cl.13.2: 2022 / ASTM B193
84	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Conductors and Conductor Systems for Overhead Lines	Surface Emissivity	National Grid Technical Specification Cl.3.1.11
85	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Conductors and Earth Electrodes	Tensile Test (Horizontal tensile testing)	IEC 62561-2
86	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Conductors and Earth Electrodes	Tensile Test (Vertical tensile testing)	IEC 62561-2
87	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Conductors and earth wire accessories for overhead lines part 3: accessories for earthwire	Electrical resistance test	IS 2121 (Part 3) Cl. 5.3
88	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Conductors and earth wire accessories for overhead power lines part 2: Mid-span joints and repair sleeves for conductors	Electrical resistance test	IS 2121 (Part 2) Cl. 6.5
89	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Conductors and earth wire accessories for overhead power lines part 1: armour rods, binding wires and tapes for conductors	Electrical resistance test for armour rods	IS 2121 (Part 1) Cl. 7.5
90	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Conductors and earth wire accessories for overhead power lines part 2: Mid-span joints and repair sleeves for conductors	Heating cycle test	IS 2121 (Part 2) Cl. 6.5



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91	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Conductors for Overhead Lines - Characteristics of Greases	Drop Point Test	BS EN 50326
92	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Connectors for use between aluminium - to - aluminum or aluminum-to-copper conductors	Current cycle test	ANSI C119.4 Cl. 6.3
93	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Connectors for use between aluminium - to - aluminum or aluminum-to-copper conductors	Resistance measurement	ANSI C119.4 Cl. 5.1.9.3
94	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Electrical conductor materials	Resistivity	ASTM B193
95	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Extra-High-Strength and Ultra-High-Strength Class A Zinc 5% Aluminum-Mischmetal Alloy-Coated Steel Core Wire	Surface Condition	ASTM B958/B958M Cl.14
96	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Extra-High-Strength and Ultra-High-Strength Class A Zinc 5% Aluminum-Mischmetal Alloy-Coated Steel Core Wire	Tensile Strength Test	ASTM B958/B958M Cl.7: 2023 / ASTM A370
97	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Extra-High-Strength and Ultra-High-Strength Class A Zinc 5% Aluminum-Mischmetal Alloy-Coated Steel Core Wire	Wrap Test	ASTM B958/B958M Cl.8
98	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Extra-High-Strength and Ultra-High-Strength Class A Zinc-5% Aluminum-Mischmetal Alloy-Coated Steel Core Wire	Resistivity Test	ASTM B958/B958M Cl.12.2: 2023 / ASTM B193
99	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Extra-High-Strength and Ultra-High-Strength Class A Zinc-5% Aluminum Mischmetal Alloy-Coated Steel Core Wire	Elongation Test	ASTM B958/B958 Cl. 7.1: 2023 / ASTM A370



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100	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Extra-High-Strength and Ultra-High-Strength Class A Zinc-5% Aluminum-Mischmetal Alloy-Coated Steel Core Wire	Dimension	ASTM B958/B958M Cl.13
101	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Extra-High-Strength and Ultra-High-Strength Zinc-Coated (Galvanized) Steel Core Wire	Adherence of Coating Test	ASTM B957/B957M Cl.10
102	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Extra-High-Strength and Ultra-High-Strength Zinc-Coated (Galvanized) Steel Core Wire	Dimension	ASTM B957/B957M Cl.13
103	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Extra-High-Strength and Ultra-High-Strength Zinc-Coated (Galvanized) Steel Core Wire	Resistivity Test	ASTM B957/B957M Cl.12.2: 2023 / ASTM B193
104	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Extra-High-Strength and Ultra-High-Strength Zinc-Coated (Galvanized) Steel Core Wire	Surface Condition	ASTM B957/B957M Cl.14
105	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Extra-High-Strength and Ultra-High-Strength Zinc-Coated (Galvanized) Steel Core Wire	Wrap Test	ASTM B957/B957M Cl.8
106	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Extra-High-Strength and Ultra-High-Strength Zinc-Coated (Galvanized) Steel Core Wires	Stress at 1% Extension	ASTM B957/B957M Cl.7.2: 2023 / ASTM A370
107	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Galvanized strand for earthing	DC resistance test	IS 12776 Cl. 8.3
108	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Galvanized Strand for Earthing Specification	Galvanizing Test	IS 12776 Cl.8.5 and Annex A: 2002 / IS 4826 Cl.4



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109	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Galvanized Strand for Earthing Specification	Uniformity of coating	IS 12776 Cl.8.5 and Annex A: 2002 / IS 2633
110	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Hard-drawn aluminium wire for overhead line conductors	Resistivity test	IEC 60889 Cl. 11
111	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Heat Resistant Aluminum-Zirconium Alloy Wire	Elongation Test	ASTM B941 Cl. 6.1 and 13.3: 2024 / ASTM B557
112	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Heat Resistant Aluminum-Zirconium Alloy Wire	Heat Resistance Test	ASTM B941 Cl.7 and 13.4
113	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Heat Resistant Aluminum-Zirconium Alloy Wire	Measurement of Diameter	ASTM B941 Cl.13.1
114	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Heat Resistant Aluminum-Zirconium Alloy Wire	Resistivity Test	ASTM B941 Cl.8: 2024 / ASTM B193
115	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Heat Resistant Aluminum-Zirconium Alloy Wire	Surface Condition	ASTM B941 Cl.13.2
116	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Heat Resistant Aluminum-Zirconium Alloy Wire	Tensile Strength Test	ASTM B941 Cl.13.3: 2024 / ASTM B557
117	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Conductivity Aluminium Alloy Stranded Conductor	Breaking Load Test	IS 398 Part-6 Cl.16.5



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118	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Conductivity Aluminium Alloy Stranded Conductor	DC Resistance Test on Stranded Conductor	IS 398 Part-6 Cl.16.10
119	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Conductivity Aluminium Alloy Stranded Conductor	Elongation Test	IS 398 Part-6 Cl.16.6
120	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Conductivity Aluminium Alloy Stranded Conductor	Measurement of Diameter	IS 398 Part-6 Cl.9.1
121	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Conductivity Aluminium Alloy Stranded Conductor	Resistivity Test	IS 398 Part-6 Cl.16.7
122	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Conductivity Aluminium Alloy Stranded Conductor	Ultimate Tensile Strength Test on Stranded Conductor	IS 398 Part-6 Cl.16.9
123	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Conductivity Aluminium Alloy Stranded Conductor	Wrapping Test	IS 398 Part-6 Cl.16.8
124	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	High Conductivity Aluminium Alloy Stranded Conductors	Visual Examination	IS 398 Part-6 Cl.16.2
125	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Hot Dip Galvanized Stay Strand	Galvanizing Test	IS 2141 Cl.9.2: 2000 / IS 4826 Cl.4.1
126	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Hot- Dipped Galvanized Coating on Round Steel Wires	Mass of Zinc Coating	IS 4826 Cl.4.1: 1979 / IS 6745



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127	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Hot- Dipped Galvanized Coating on Round Steel Wires	Uniformity of Zinc Coating	IS 4826 Cl.4.2: 1979 / IS 2633
128	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	HTLS Conductors	Galvanic Thickness Test	ASTM B987/B987 Cl.18
129	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	HTLS Conductors	Heat Exposure Test	ASTM B987/B987M Cl.16
130	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Individual wires of aluminium conductor for overhead transmission purposes. part 2: aluminium conductors - galvanized steel - reinforced	DC resistance test	IS 398 (Part 2) Cl. 13.6
131	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Individual wires of aluminium conductor for overhead transmission purposes. part 5: aluminium conductors - galvanized steel - reinforced for extra high voltage (400 kV and above)	Resistance test	IS 398 (Part 5) Cl. 13.8
132	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Individual wires of aluminium conductors for overhead transmission purposes part 1: aluminium stranded conductors	Resistance test	IS 398 (Part 1) Cl. 12.5
133	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Individual wires of aluminium conductors for overhead transmission purposes part 4: aluminium alloy stranded conductors (aluminium-magnesium-silicon type)	Resistance test	IS 398 (Part 4) Cl. 12.4
134	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Individual wires of conductors for overhead lines - Aluminium and aluminium alloy wires for concentric lay stranded conductors	Electrical resistivity	IEC 62641 Cl. 6.4.7
135	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Individual wires of conductors for overhead lines - coated or clad metallic wire for concentric lay stranded conductors	Resistivity	IEC 63248 Cl. 7.4.7



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136	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Metal and Oxide Coating Thickness by Microscopical Examination of Cross Section	Coating Thickness Test	ASTM B487
137	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Metal fittings of insulators for overhead power lines with nominal Voltage greater than 1000 V part 1: general requirements and tests	Heating cycle test	IS 2486 (Part 1) CL. 12.1.1.b
138	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Metal fittings of insulators for overhead power lines with nominal Voltage greater than 1000 V part 1: general requirements and tests	Resistance test	IS 2486 (Part 1) CL. 12.1.1.a
139	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Metallic Coated or Aluminum Clad Stranded Steel Core conductors	Lay Length and Lay Direction	ASTM B500/B500M CL.7
140	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Metallic Coated or Aluminum Clad Stranded Steel Core conductors	Stress at 1 % Extension	ASTM B500/B500M CL.10: 2024 / ASTM B502/B502M
141	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Metallic materials	Resistivity	IEC 60468
142	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Metallic Materials Wire Reverse Bend Test	Bend Test	IS 1716
143	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Optical ground wire (OPGW) for use on electric utility power lines	DC resistance test	IEEE 1138 CL. 6.5.1.5
144	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Overhead Electrical Conductors Creep Test Procedures for Stranded Conductors	Creep Test	BS EN 61395



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145	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Overhead lines – requirements and tests for fittings	Heat cycle test (Class A joints)	IEC 61284 Cl. 13
146	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Overhead lines – requirements and tests for fittings	Resistance measurement	IEC 61284 Cl. 13.4.5.1
147	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Round wire concentric lay overhead electrical stranded conductors	Surface Condition Test	IEC 61089 Cl.6.6.5
148	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Round wire concentric lay overhead electrical stranded conductors	Tensile Test on Joints in Aluminium wire	IEC 61089 Cl.5.5.5
149	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Round wire concentric lay stranded conductors	Conductor Diameter	BS EN 50182 Cl.6.4.2
150	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Round wire concentric lay stranded conductors	Mass of Zinc Coating	BS EN 50182 Table 5: 2001 / BS EN 50189 Cl.11.6
151	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Round wire concentric lay stranded conductors	Measurement of Diameter	BS EN 50182 Cl.6.5.2
152	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Round Wire Concentric Lay Stranded Conductors	Surface Condition Test	BS EN 50182 Cl.6.4.1
153	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Round wire concentric lay stranded conductors	Zinc Dip Test	BS EN 50182 Clause 6.5.2: 2001 / BS EN 50189



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154	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Shaped Wire Compact Concentric-Lay- Stranded Aluminum Conductors, Coated- Steel Supported (ACSS/TW)	Surface Condition	ASTM B857 Cl.12
155	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Shaped Wire Compact Concentric-Lay- Stranded Aluminum Conductors, Coated-Steel Supported (ACSS/TW)	Measurement of Diameter	ASTM B857 Cl.13: 2022 / ASTM B263/B263M:
156	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Shaped Wire Compact Concentric-Lay- Stranded Aluminum Conductors, Coated- Steel Supported (ACSS/TW)	Elongation Test	ASTM B857 Cl.5: 2022 / ASTM B609/B609M
157	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Shaped Wire Compact Concentric-Lay- Stranded Aluminum Conductors, Coated-Steel Supported (ACSS/TW)	Lay Length and Lay Direction	ASTM B857 Cl.7
158	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Stranded Conductor	Lay Ratio	KIND-SOP-023, Issue No:01, Issue Date: 05.07
159	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Stranded Conductor	Mass Per Unit Length	KIND-SOP-023, Issue No:01, Issue Date: 05.07
160	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Stranded Conductor	Whole Conductor Diameter	KIND-SOP-023, Issue No:01, Issue Date: 05.07
161	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Stranded Conductor	Wire Diameter	KIND-SOP-023, Issue No:01, Issue Date: 05.07
162	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Stranded Conductor with Grease	Drop Point Test	IS 1448 (P-52)



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163	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Stranded Conductor with Grease	Drop Point Test	IS 7623 Table 1 and Table 2: 2019 / IS 1448 P-52
164	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Stranded conductors	Ampacity test	KIND-SOP-18, Rev:3
165	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Stranded Conductors	Cross Sectional Area	ASTM B263/B263M
166	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Stranded conductors - HTLS & Conventional conductors	DC resistance test on stranded conductor	PGCIL Specification Section VII B Annexure A Cl. 1
167	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Stranded conductors with grease	Drop Point Test	IEC 61394 Cl.5.3: 2011/ ISO 2176
168	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Thermal-resistant aluminium alloy wire for overhead line conductor	Electrical resistivity	IEC 62004 Cl. 7.3.5
169	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Wrought Aluminum for Electrical Purposes - Wire	Electrical Resistivity Test	BS 2627 Cl.1.10
170	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Wrought Aluminum for Electrical Purposes - Wire	Elongation Test	BS 2627 Cl.1.8
171	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Wrought Aluminum for Electrical Purposes - Wire	Tensile Test	BS 2627 Cl.1.7



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172	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Wrought Aluminum for Electrical Purposes - Wire	Wrapping Test	BS 2627 Cl.1.9: 1970
173	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Zinc Coated Steel Wires for Stranded Conductors	Adherence of Zinc Coating Test	IEC 60888 Cl.11.4
174	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Zinc Coated Steel Wires for Stranded Conductors	Mass of Zinc Coating	IEC 60888 Cl.11.1 and 11.3
175	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Zinc-Coated (Galvanized) Steel Core Wire	Adherence of Coating Test	ASTM B498/B498M Cl.11
176	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Zinc-Coated (Galvanized) Steel Core Wire	Dimensions	ASTM B498/B498M Cl.14
177	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Zinc-Coated (Galvanized) Steel Core Wire	Stress at 1% Extension	ASTM B498/B498M Cl.8.2: 2022 / ASTM A370
178	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Zinc-Coated (Galvanized) Steel Core Wire	Tensile Strength Test	ASTM B498/B498M Cl.8: 2022 / ASTM A370
179	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Aeolian Vibration Test	IEC 60794-1-2
180	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Aeolian Vibration Test	IEC 60794-1-21 Cl.24 Method E19
181	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Aeolian Vibration Test	IEC 60794-4-10 Cl.8.3.6



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182	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Aeolian vibration test	IEEE 1138 Cl.6.5.3.1
183	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Aeolian Vibration Test (Attenuation)	IEC 60794-1-2
184	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Aeolian Vibration Test (Attenuation)	IEC 60794-1-21 Cl.24 Method E19
185	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Aeolian Vibration Test (Attenuation)	IEC 60794-4-10 Cl.8.3.6
186	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Aeolian vibration test (Attenuation)	IEEE 1138 Cl.6.5.3.1
187	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Bend Test	IEC 60794-1-2
188	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Bend Test	IEC 60794-1-21 Cl.15 Method E11 Procedure- 2
189	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Bend Test	IEC 60794-1-21 Cl.15 Method E11 Procedure-1
190	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Bend Test	IEEE 1138 Cl.6.5.2.3
191	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Bend Test (Attenuation)	IEC 60794-1-21 Cl.15 Method E11 Procedure-2
192	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Bend Test (Attenuation)	IEEE 1138 Cl.6.5.2.3
193	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Bend Test (Attenuation)	IEC 60794-1-2



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194	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Bend Test (Attenuation)	IEC 60794-1-21 Cl.15 Method E11 Procedure-1
195	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Breaking Strength Test	IEC 60794-4-10 Cl.8.3.4
196	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Creep Test	IEC 60794-4-10 Cl.8.3.7
197	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Crush Test	IEC 60794-1-2: 2021
198	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Crush Test	IEC 60794-1-21 Cl.5 Method E3A
199	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Crush Test	IEC 60794-1-21 Cl.5 Method E3B
200	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Crush Test	IEEE 1138 Cl.6.5.2.2
201	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Crush Test	IEEE 1138 Cl.6.5.2.2
202	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Crush Test	TIA/EIA-455-41A
203	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Crush Test (Attenuation)	IEC 60794-1-2
204	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Crush Test (Attenuation)	IEC 60794-1-21 Cl.5 Method E3A
205	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Crush Test (Attenuation)	IEC 60794-1-21 Cl.5 Method E3B



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206	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Crush Test (Attenuation)	IEEE 1138 Cl.6.5.2.2
207	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Crush Test (Attenuation)	TIA/EIA-455-41A
208	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Galloping Test	IEC 60794-1-2
209	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Galloping Test	IEC 60794-1-21 Cl.31 Method E26
210	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Galloping Test	IEEE 1138 Cl.6.5.3.2
211	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Galloping Test (Attenuation)	IEC 60794-1-2
212	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Galloping Test (Attenuation)	IEC 60794-1-21 Cl.31 Method E26
213	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Galloping Test (Attenuation)	IEEE 1138 Cl.6.5.3.2
214	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Low Frequency Vibration Test (Galloping Test)	IEC 60794-4-10 Cl.8.3.8
215	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Low Frequency Vibration Test (Galloping Test)(Attenuation)	IEC 60794-4-10 Cl.8.3.8
216	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Seepage of Water Blocking Compound Test	IEEE 1138 Cl.6.5.3.6
217	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Sheave Test	IEC 60794-1-2



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218	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Sheave Test	IEC 60794-1-21 Cl.23 Method E18 Procedure 1
219	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Sheave Test	IEC 60794-1-21 Cl.23 Method E18B Procedure-2
220	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Sheave Test	IEC 60794-4-10 Cl.8.3.5
221	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Sheave Test	IEC 60794-4-10 Cl.8.3.5
222	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Sheave Test	IEEE 1138 Cl. 6.5.2.1
223	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Sheave Test	IEEE 1138 Cl.6.5.2.1
224	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Sheave Test (Attenuation)	IEC 60794-1-2
225	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Sheave Test (Attenuation)	IEC 60794-1-21 Cl.23 Method E18B Procedure-1
226	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Sheave Test (Attenuation)	IEC 60794-1-21 Cl.23 Method E18B Procedure-2
227	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Sheave Test (Attenuation)	IEC 60794-4-10 Cl.8.3.5
228	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Sheave Test (Attenuation)	IEEE 1138 Cl. 6.5.2.1
229	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Stress Strain Test	IEC 60794-4-10 Cl.8.3.3



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230	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Temperature Cycle Test (Attenuation)	IEC 60794-1-22 Cl.4 Method F1
231	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Temperature Cycle Test (Attenuation)	IEEE 1138 Cl.6.5.3.7
232	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Temperature Cycling Test	IEC 60794-1-2
233	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Temperature Cycling Test	IEC 60794-1-22 Cl.4 Method F1
234	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Temperature Cycling Test (Attenuation)	IEC 60794-1-2
235	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Temperature Cycling Test (Attenuation)	IEC 60794-4-10 Cl.8.3.9
236	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Torsion Test (Attenuation)	IEC 60794-1-2
237	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Torsion Test (Attenuation)	IEC 60794-1-21 Cl.11 Method E7
238	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Twist Test	IEEE 1138 Cl.6.5.2.4
239	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Twist Test (Attenuation)	IEEE 1138 Cl.6.5.2.4
240	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Water Ingress Test	IEEE 1138 Cl.6.5.3.5
241	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Water Penetration	IEC 60794-1-2



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242	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Water Penetration	IEC 60794-1-22 Cl.5 Method F5B
243	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Water Penetration	IEC 60794-1-22 Cl.5 Method F5C
244	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Water Penetration Test	IEC 60794-1-22 Cl.5 Method F5A
245	ELECTRONICS-MISCELLANEOUS PRODUCTS	Optical Fibre Cables / OPGW	Water Penetration Test	IEC 60794-4-10 Cl.8.3.10
246	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium-clad steel wires for electrical purposes	Elongation test	IEC 61232 Cl. 6.3.2
247	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium-clad steel wires for electrical purposes	Stress at 1% extension	IEC 61232 Cl. 6.3.6
248	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium-clad steel wires for electrical purposes	Tensile stress	IEC 61232 Cl. 6.3.1
249	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium-clad steel wires for electrical purposes	Thickness of Aluminum cladding	IEC 61232 Cl. 6.3.4
250	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium-clad steel wires for electrical purposes	Torsion test	IEC 61232 Cl. 6.3.3
251	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium-magnesium-silicon alloy wire for overhead line conductors	Elongation test	IEC 60104 Cl. 10.1



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252	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium-magnesium-silicon alloy wire for overhead line conductors	Tensile test	IEC 60104 Cl. 10.1
253	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Aluminium-magnesium-silicon alloy wire for overhead line conductors	Wrapping test	BS EN 60104 Cl. 10.2
254	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Clamp fittings and accessories for (High Temperature Low Sag) conductor	Slip strength test for dead end assembly	PGCIL Specification, Section VI B Annexure A Cl. 1.6
255	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Concentric lay stranded overhead electrical conductors containing one or more gap(s)	Breaking strength of conductor	IEC 62420 Cl. 6.2.5
256	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Concentric lay stranded overhead electrical conductors containing one or more gap(s)	Lay ratio and direction of lay	IEC 62420 Cl. 6.3.5
257	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Concentric lay stranded overhead electrical conductors containing one or more gap(s)	Linear mass	IEC 62420 Cl. 6.3.3
258	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Concentric lay stranded overhead electrical conductors containing one or more gap(s)	Overall diameter	IEC 62420 Cl. 6.3.2
259	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Concentric lay stranded overhead electrical conductors containing one or more gap(s)	Stress strain test	IEC 62420 Annex B
260	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Conductors and earth wire accessories for overhead power lines part 2: mid-span joints and repair sleeves for conductors	Failing Load test	IS 2121 (Part 2) Cl. 6.4



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261	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Conductors for overhead lines – round wire concentric lay stranded conductors	Mass per unit length	BS EN 50182 Cl. 6.4.6
262	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Galvanized strand for earthing	Breaking force	IS 12776 Cl. 8.1
263	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Galvanized strand for earthing	Lay and lay length	IS 12776 Cl. 6
264	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Galvanized strand for earthing	Mass per km	IS 12776 Annex A
265	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hard-drawn aluminium wire for overhead line conductors	Tensile test	IEC 60889 Cl. 10.1
266	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Hard-drawn aluminium wire for overhead line conductors	Wrapping test	IEC 60889 Cl. 10.2
267	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of aluminium conductor for overhead transmission purposes. part 2: aluminium conductors - galvanized steel - reinforced	Elongation test	IS 398 (Part 2) Cl. 13.4.2
268	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of aluminium conductor for overhead transmission purposes. part 2: aluminium conductors - galvanized steel - reinforced	Torsion test	IS 398 (Part 2) Cl. 13.4.1
269	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of aluminium conductor for overhead transmission purposes. part 5: aluminium conductors - galvanized steel - reinforced for extra high voltage (400 kV and above)	Elongation test	IS 398 (Part 5) Cl. 13.6.2



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270	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of aluminium conductors for overhead transmission purposes part 4: aluminium alloy stranded conductors (aluminium-magnesium-silicon type)	Breaking load test	IS 398 (Part 4) Cl. 12.2
271	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of aluminium conductors for overhead transmission purposes part 4: aluminium alloy stranded conductors (aluminium-magnesium-silicon type)	Elongation test	IS 398 (Part 4) Cl. 12.3
272	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of aluminium conductor for overhead transmission purposes. part 2: aluminium conductors - galvanized steel - reinforced	Breaking load test	IS 398 (Part 2) Cl. 13.3
273	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of aluminium conductor for overhead transmission purposes. part 2: aluminium conductors - galvanized steel - reinforced	Wrapping test	IS 398 (Part 2) Cl. 13.5
274	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of aluminium conductor for overhead transmission purposes. part 5: aluminium conductors - galvanized steel - reinforced for extra high voltage (400 kV and above)	Breaking load test	IS 398 (Part 5) Cl. 13.5.2
275	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of aluminium conductor for overhead transmission purposes. part 5: aluminium conductors - galvanized steel - reinforced for extra high voltage (400 kV and above)	Torsion test	IS 398 (Part 5) Cl. 13.6.1
276	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of aluminium conductor for overhead transmission purposes. part 5: aluminium conductors - galvanized steel - reinforced for extra high voltage (400 kV and above)	Wrapping test	IS 398 (Part 5) Cl. 13.7
277	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of aluminium conductors for overhead transmission purposes part 1: aluminium stranded conductors	Measurement of diameter	IS 398 (Part 1) Cl. 12.2



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278	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of aluminium conductors for overhead transmission purposes part 1: aluminium stranded conductors	Breaking load test	IS 398 (Part 1) Cl. 12.3
279	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of aluminium conductors for overhead transmission purposes part 1: aluminium stranded conductors	Wrapping test	IS 398 (Part 1) Cl. 12.4
280	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of aluminium conductors for overhead transmission purposes part 3: aluminium conductors, aluminized-steel reinforced	Breaking load test	IS 398 (Part 3) Cl. 12.2
281	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of aluminium conductors for overhead transmission purposes part 3: aluminium conductors, aluminized-steel reinforced	Elongation test	IS 398 (Part 3) Cl. 12.3.2
282	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of aluminium conductors for overhead transmission purposes part 3: aluminium conductors, aluminized-steel reinforced	Torsion test	IS 398 (Part 3) CL. 12.3.1
283	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of aluminium conductors for overhead transmission purposes part 3: aluminium conductors, aluminized-steel reinforced	Wrapping test	IS 398 (Part 3) Cl. 12.4
284	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of aluminum alloy stranded conductors for overhead lines - AL59 conductors	Elongation test	SS 4240814 Cl. 5
285	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of aluminum alloy stranded conductors for overhead lines - AL59 wire	Elongation test	SS 4240813 Cl. 1.2
286	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of aluminum alloy stranded conductors for overhead lines - AL59 wire	Tensile strength test	SS 4240813 Cl. 1.2



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287	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of aluminum alloy stranded conductors for overhead lines - AL59 wire	Wrapping test	SS 4240813 Cl. 1.3
288	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of concentric lay stranded overhead electrical conductors containing one or more gap(s)	Breaking strength of wires	IEC 62420 Cl. 6.3.6
289	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of concentric lay stranded overhead electrical conductors containing one or more gap(s)	Cross-sectional area	IEC 62420 Cl. 6.3.1
290	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of concentric lay stranded overhead electrical conductors containing one or more gap(s)	Tensile Test on Joints in Aluminium Wire	IEC 62420 Cl. 6.2.2
291	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of Conductors for overhead lines - round wire concentric lay stranded conductors	Elongation test	BS EN 50182 Cl. 6.5.2
292	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of conductors for overhead lines - Aluminium and aluminium alloy wires for concentric lay stranded conductors	Appearance	IEC 62641 Cl. 6.4.1
293	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of conductors for overhead lines - Aluminium and aluminium alloy wires for concentric lay stranded conductors	Bending	IEC 62641 Cl. 6.4.6
294	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of conductors for overhead lines - Aluminium and aluminium alloy wires for concentric lay stranded conductors	Elongation	IEC 62641 Cl. 6.4.4
295	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of conductors for overhead lines - Aluminium and aluminium alloy wires for concentric lay stranded conductors	Tensile strength	IEC 62641 Cl. 6.4.3



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296	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of conductors for overhead lines - Aluminium and aluminium alloy wires for concentric lay stranded conductors	Tensile Test on Joints in aluminium wire	IEC 62641 Cl. 5
297	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of conductors for overhead lines - Aluminium and aluminium alloy wires for concentric lay stranded conductors	Thermal resistance	IEC 62641 Cl. 6.4.8
298	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of conductors for overhead lines - Aluminium and aluminium alloy wires for concentric lay stranded conductors	Wrapping	IEC 62641 Cl. 6.4.5
299	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of conductors for overhead lines - aluminium conductor steel supported (ACSS)	Tensile strength test	BS EN 50540 Cl. 6.5.2
300	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of conductors for overhead lines - aluminium conductor steel supported (ACSS)	Thickness of Aluminum cladding	BS EN 50540 Cl. 6.5.2
301	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of conductors for overhead lines - coated or clad metallic wire for concentric lay stranded conductors	Adherence of coating or cladding test	IEC 63248 Cl. 7.4.5.2
302	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of conductors for overhead lines - coated or clad metallic wire for concentric lay stranded conductors	Aluminium cladding thickness test	IEC 63248 Cl. 7.4.5.1.2
303	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of conductors for overhead lines - coated or clad metallic wire for concentric lay stranded conductors	Coating adherence heat resistance test	IEC 63248 Cl. 7.4.8
304	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of conductors for overhead lines - coated or clad metallic wire for concentric lay stranded conductors	Elongation	IEC 63248 Cl. 7.4.3



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305	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of conductors for overhead lines - coated or clad metallic wire for concentric lay stranded conductors	Stress at 1% extension	IEC 63248 Cl. 7.4.3
306	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of conductors for overhead lines - coated or clad metallic wire for concentric lay stranded conductors	Tensile strength	IEC 63248 Cl. 7.4.3
307	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of conductors for overhead lines - coated or clad metallic wire for concentric lay stranded conductors	Tensile Test on Joints in aluminium wire	IEC 63248 Cl. 6
308	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of conductors for overhead lines - coated or clad metallic wire for concentric lay stranded conductors	Torsion test	IEC 63248 Cl. 7.4.4.1
309	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of conductors for overhead lines - coated or clad metallic wire for concentric lay stranded conductors	Uniformity of zinc and zinc-aluminium coatings (or dipping test)	IEC 63248 Cl. 7.4.5.3
310	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of conductors for overhead lines - coated or clad metallic wire for concentric lay stranded conductors	Visual test	IEC 63248 Cl. 7.4.1
311	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of conductors for overhead lines - coated or clad metallic wire for concentric lay stranded conductors	Wrapping test	IEC 63248 Cl. 7.4.4.2
312	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of conductors for overhead lines - coated or clad metallic wire for concentric lay stranded conductors	Zinc or zinc-aluminium alloy coating mass	IEC 63248 Cl. 7.4.5.1.1
313	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of conductors for overhead lines aluminium-magnesium-silicon alloy wires	Tensile strength test	BS EN 50183 Cl. 11.3



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314	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of galvanized strand for earthing	Torsion test	IS 12776 Cl. 8.6
315	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of galvanized strand for earthing	Elongation test	IS 12776 Cl. 8.2
316	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of galvanized strand for earthing	Tensile strength test	IS 12776 Annex A
317	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of galvanized strand for earthing	Wrapping test	IS 12776 Cl. 8.4
318	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of Overhead electrical conductors formed wire, concentric lay, stranded conductors	Breaking strength of wires	IEC 62219 Cl. 6.6.4
319	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of overhead electrical conductors formed wire, concentric lay, stranded conductors	Elongation test	IEC 62219 Cl. 5.8.2
320	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of round wire concentric lay overhead electrical stranded conductors	Breaking strength of wires	IEC 61089 Cl. 6.6.4
321	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of round wire concentric lay overhead electrical stranded conductors	Diameter	IEC 61089 Cl. 6.6.1.3
322	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of stranded conductor - AL59	Breaking load test	SS 4240814 Cl.5



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323	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Individual wires of stranded conductor - bare overhead- aluminium and aluminium alloy	Dimensions	AS 1531 Cl. 4.2.1
324	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Individual wires of stranded conductor - bare overhead- aluminium and aluminium alloy	Percentage elongation test	AS 1531 Cl. 4.2.3
325	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Individual wires of stranded conductor - bare overhead- aluminium and aluminium alloy	Ultimate tensile stress test	AS 1531 Cl. 4.2.2
326	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Individual wires of stranded conductor - bare overhead- aluminium and aluminium alloy	Wrapping test	AS 1531 Cl. 4.2.4
327	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Individual wires of stranded conductors - HTLS	Bending test on aluminum clad core strands	PGCIL Specification Section VII B Annexure A Cl. 13
328	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Individual wires of stranded conductors - HTLS	Compression test on aluminum clad core strands	PGCIL Specification Section VII B Annexure A Cl. 14
329	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Individual wires of stranded conductors - HTLS	Thickness of aluminum on aluminum clad strands	PGCIL Specification Section VII B Annexure A Cl. 23
330	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Individual wires of stranded conductors - HTLS	Heat resistance test on aluminium alloy wire	PGCB Specification Volume 2 Annex 11-4 Cl. 1.12
331	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Individual wires of stranded conductors for overhead lines — round wire concentric lay stranded conductors	Welding on aluminium wires	BS EN 50182 Cl. 6.5.3



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332	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of stranded conductors for overhead lines - zinc coated steel wires	Elongation test	BS EN 50189 Cl. 11.5.1
333	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of stranded conductors for overhead lines - zinc coated steel wires	Adherence of zinc coating	BS EN 50189 Cl. 11.7
334	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of stranded conductors for overhead lines - zinc coated steel wires	Mass of Zinc coating	BS EN 50189 Cl. 11.6
335	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of stranded conductors for overhead lines - zinc coated steel wires	Tensile strength test	BS EN 50189 Cl. 11.4
336	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of stranded conductors for overhead lines - zinc coated steel wires	Torsion test	BS EN 50189 Cl. 11.5.2
337	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of stranded conductors for overhead lines - zinc coated steel wires	Uniformity of Zinc coating	BS EN 50189 Cl. 11.8
338	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of stranded conductors for overhead lines - zinc coated steel wires	Visual test	BS EN 50189 Cl. 11.1
339	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of stranded conductors for overhead lines - zinc coated steel wires	Wrapping test	BS EN 50189 Cl. 11.5.3
340	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of stranded conductors for overhead lines - aluminium conductor steel supported (ACSS)	Elongation test	BS EN 50540 Cl. 6.5.2



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341	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of stranded conductors for overhead lines — round wire concentric lay stranded conductors	Cladding thickness	BS EN 50182 Cl. 6.5.2
342	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of stranded conductors for overhead lines — round wire concentric lay stranded conductors	Stress at 1% extension	BS EN 50182 Cl. 6.5.2
343	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of stranded conductors for overhead lines — round wire concentric lay stranded conductors	Tensile strength test	BS EN 50182 Cl. 6.5.2
344	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of stranded conductors for overhead lines aluminum-magnesium-silicon alloy wires	Elongation test	BS EN 50183 Cl. 11.3
345	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Individual wires of stranded conductors for overhead lines aluminum-magnesium-silicon alloy wires	Wrapping test	BS EN 50183 Cl. 11.4
346	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal fittings of insulators for overhead power lines with nominal Voltage greater than 1000 V part 1: general requirements and tests	Dimensional verification	IS 2486 (Part 1) Cl. 8
347	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Stress	ISO 6892-1
348	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Stress (Vertical tensile testing)	ISO 6892-1
349	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round wire concentric lay overhead electrical stranded conductors	Conductor diameter	IEC 61089 Cl. 6.6.2



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350	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round wire concentric lay overhead electrical stranded conductors	Lay ratio and direction of lay	IEC 61089 Cl. 6.6.6
351	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round wire concentric lay overhead electrical stranded conductors	Linear density - mass per unit length	IEC 61089 Cl. 6.6.3
352	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round wire concentric lay overhead electrical stranded conductors	Stress strain test	IEC 61089 Annex B
353	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Round wire concentric lay overhead electrical stranded conductors	Tensile test of the conductor	IEC 61089 CL. 6.5.3
354	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Products	Tensile Strength Test	ASTM A370
355	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel wire and wire products — nonferrous metallic coatings on steel wire part 2: zinc or zinc alloy coatings	Dipping test	BS EN 10244-2 Cl. 5.3
356	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stranded conductors - HTLS	Radial crush test	PGCIL Specification Section VII B Annexure A Cl. 7
357	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stranded conductors - HTLS	Creep test	PGCIL Specification Section VII B Annexure A Cl. 5
358	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stranded conductors - HTLS	High temperature endurance & Creep test	PGCIL Specification Section VII B Annexure A Cl. 1.6



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359	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stranded conductors - HTLS	Stress strain test at elevated temperature	PGCIL Specification Section VII B Annexure A Cl. 1.5
360	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stranded conductors - HTLS	UTS test on stranded conductor at elevated temperature	PGCIL Specification Section VII B Annexure A Cl. 2.ii
361	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stranded conductors - HTLS	UTS test on stranded conductor at room temperature	PGCIL Specification Section VII B Annexure A Cl. 2.i
362	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Stranded conductors for overhead lines — round wire concentric lay stranded conductors	Inertness test	EN 50182 Cl. 6.4.3, 5.5.7
363	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Thermal-resistant aluminium alloy wire for overhead line conductor	Apperance	IEC 62004 Cl. 7.3.1
364	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Thermal-resistant aluminium alloy wire for overhead line conductor	Diameter	IEC 62004 Cl. 7.3.2
365	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Thermal-resistant aluminium alloy wire for overhead line conductor	Elongation test	IEC 62004 Cl. 7.3.4
366	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Thermal-resistant aluminium alloy wire for overhead line conductor	Tensile stress	IEC 62004 Cl. 7.3.3
367	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Thermal-resistant aluminium alloy wire for overhead line conductor	Thermal-resistant aluminium alloy wire for overhead line conductor	IEC 62004 Cl. 7.3.1



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368	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Thermal-resistant aluminium alloy wire for overhead line conductor	Thermal-resistant property	IEC 62004 Cl. 7.3.6
369	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Thermal-resistant aluminium alloy wire for overhead line conductor	Wrapping test	IEC 62004 Cl. 7.3.7
370	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Zinc coated articles	Uniformity of Zinc coating	IS 2633
371	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Zinc-coated steel wires for stranded conductors	Elongation test	IEC 60888 Cl. 10.3.a
372	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Zinc-coated steel wires for stranded conductors	Tensile test	IEC 60888 Cl. 10.2
373	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Zinc-coated steel wires for stranded conductors	Torsion test	IEC 60888 Cl. 10.3.b
374	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Zinc-coated steel wires for stranded conductors	Wrapping test	IEC 60888 CL. 10.3.C
375	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Aluminium and steel - stranded conductors for overhead lines	Creep test	SS 112318
376	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Aluminium conductor for overhead transmission purposes. part 2: aluminium conductors - galvanized steel - reinforced	Measurement of lay ratio / direction of lay	IS 398 (Part 2) Cl. 13.8
377	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Aluminium conductor for overhead transmission purposes. part 2: aluminium conductors - galvanized steel - reinforced	Stress strain test	IS 398 (Part 2) Cl. 13.11



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378	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Aluminium conductor for overhead transmission purposes. part 2: aluminium conductors - galvanized steel - reinforced	Surface condition test	IS 398 (Part 2) Cl. 13.9
379	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Aluminium conductor for overhead transmission purposes. part 2: aluminium conductors - galvanized steel - reinforced	Ultimate breaking load on stranded conductor	IS 398 (Part 2) Cl. 13.10
380	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Aluminium conductor for overhead transmission purposes. part 5: aluminium conductors - galvanized steel - reinforced for extra high voltage (400 kV and above)	Breaking load test	IS 398 (Part 5) Cl. 13.5.1
381	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Aluminium conductor for overhead transmission purposes. part 5: aluminium conductors - galvanized steel - reinforced for extra high voltage (400 kV and above)	Measurement of lay ratio test	IS 398 (Part 5) Cl. 13.4
382	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Aluminium conductor for overhead transmission purposes. part 5: aluminium conductors - galvanized steel - reinforced for extra high voltage (400 kV and above)	Surface condition test	IS 398 (Part 5) Cl. 13.10
383	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Aluminium conductor for overhead transmission purposes. part 5: aluminium conductors - galvanized steel - reinforced for extra high voltage (400 kV and above)	Visual examination	IS 398 (Part 5) Cl. 13.2
384	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Aluminium conductors for overhead transmission purposes part 4: aluminium alloy stranded conductors (aluminium-magnesium-silicon type)	Lay ratio	IS 398 (Part 4) Cl. 3.1.4
385	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Aluminium conductors for overhead transmission purposes part 3: aluminium conductors, aluminized-steel reinforced	Lay ratio	IS 398 (Part 3) Cl. 2.4
386	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Aluminium conductors for overhead transmission purposes part 1: aluminium stranded conductors	Measurement of lay ratio test	IS 398 (Part 1) Cl. 12.6
387	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Aluminum alloy stranded conductors for overhead lines - AL59 conductors	Conductor strength	SS 4240814 Cl. 5



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388	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Aluminum alloy stranded conductors for overhead lines - AL59 conductors	Long term creep test	SS 4240814 Clause 6
389	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Aluminum alloy stranded conductors for overhead lines - AL59 conductors	Mass per length	SS 4240814 Cl. 7
390	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Aluminum alloy stranded conductors for overhead lines - AL59 conductors	Measurement of lay ratio test	SS 4240814 Table 3
391	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Bare overhead conductor	Lay length	AS 3822 CL. 6.1.5
392	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Bare overhead conductor	Lay ratio	AS 3822 CL. 6.1.5
393	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Bare overhead conductors	Breaking load	AS 3822 Cl. 6.2
394	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Bare overhead conductors	Coefficient of thermal elongation	AS 3822 CL. 6.3
395	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Bare overhead conductors	Conductor layer diameter	AS 3822 CL. 6.1.4
396	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Bare overhead conductors	Creep	AS 3822 Cl. 6.5
397	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Bare overhead conductors	Fatigue	AS 3822 Cl. 6.7
398	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Bare overhead conductors	Nominal cross-sectional area	AS 3822 CL. 6.1.6
399	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Bare overhead conductors	Stress/strain	AS 3822 Cl. 6.4



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400	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Bare overhead conductors	Thermal ageing	AS 3822 CL. 6.8
401	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Carbon Fiber Thermoset Polymer Matrix Composite Core (CFC) for use in overhead electrical conductors	Bending test	ASTM B987/B987M Cl. 13
402	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Carbon Fiber Thermoset Polymer Matrix Composite Core (CFC) for use in overhead electrical conductors	Bending test on composite core	PGCIL Specification Section VII B Annexure A Cl. 17
403	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Carbon Fiber Thermoset Polymer Matrix Composite Core (CFC) for use in overhead electrical conductors	Brittle fracture test on polymer composite core	PGCIL Specification Section VII B Annexure A Cl. 16
404	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Carbon Fiber Thermoset Polymer Matrix Composite Core (CFC) for use in overhead electrical conductors	Density	ASTM B987/B987M Cl. 11
405	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Carbon Fiber Thermoset Polymer Matrix Composite Core (CFC) for use in overhead electrical conductors	Dimensions	ASTM B987/B987M Cl. 12
406	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Carbon Fiber Thermoset Polymer Matrix Composite Core (CFC) for use in overhead electrical conductors	Dye penetrant testing after bending test	ASTM B987/B987M Cl. 14
407	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Carbon Fiber Thermoset Polymer Matrix Composite Core (CFC) for use in overhead electrical conductors	Elongation test on core strands	PGCIL Specification Section VII B Annexure A Cl. 24.i
408	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Carbon Fiber Thermoset Polymer Matrix Composite Core (CFC) for use in overhead electrical conductors	Elongation tests on composite core / INVAR core wires	PGCB Specification Volume 2 Annex 11-4 Cl. 1.23
409	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Carbon Fiber Thermoset Polymer Matrix Composite Core (CFC) for use in overhead electrical conductors	Heat/Stress test	ASTM B987/B987M Cl. 17
410	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Carbon Fiber Thermoset Polymer Matrix Composite Core (CFC) for use in overhead electrical conductors	Strand Brittle fracture test (for polymer composite core only)	PGCB Specification Volume 2 Annex 11-4 Cl. 1.16
411	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Carbon Fiber Thermoset Polymer Matrix Composite Core (CFC) for use in overhead electrical conductors	Tensile test	ASTM B987/B987M Cl. 9



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412	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Carbon Fiber Thermoset Polymer Matrix Composite Core (CFC) for use in overhead electrical conductors	Torsion test on composite core / INVAR core wires	PGCB Specification Volume 2 Annex 11-4 Cl. 1.23
413	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Carbon Fiber Thermoset Polymer Matrix Composite Core (CFC) for use in overhead electrical conductors	Torsion test on core strands	PGCIL Specification Section VII B Annexure A Cl. 24.ii
414	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Concentric lay stranded overhead electrical conductors containing one or more gap(s)	Annular gap	IEC 62420 Cl. 6.2.3
415	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Concentric- lay-stranded aluminum conductors, coated steel supported (ACSS)	Length of lay	ASTM B856- 18 Cl. 7
416	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Concentric-lay-stranded aluminum conductors, coated steel supported (ACSS)	Area of cross section	ASTM B856-18 Cl.13
417	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Concentric-lay-stranded aluminum conductors, coated steel supported (ACSS)	Direction of lay & lay ratio	ASTM B856-18 Cl. 7
418	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Concentric-lay-stranded aluminum conductors, coated steel supported (ACSS)	Rated strength of conductor	ASTM B856-18 Cl. 9
419	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Conductor and earth wire accessories for overhead lines part 4: non tension joints	Tensile Test/ Failing Load test	IS 2121 (Part 4) Cl. 6.4
420	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Conductors - bare overhead - aluminium and aluminium alloy	Lay ratio and direction of lay	AS 1531 Cl. 3.4
421	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Conductors for overhead lines - aluminium conductor steel supported (ACSS)	Determination of cross sectional area of Al	BS EN 50540 Cl. 6.4.6
422	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Conductors for overhead lines - aluminium conductor steel supported (ACSS)	Inertness test	BS EN 50540 Cl. 6.4.3, 5.2.4
423	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Conductors for overhead lines - aluminium conductor steel supported (ACSS)	Lay ratio and direction of lay	BS EN 50540 Cl. 6.4.4



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424	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Conductors for overhead lines - aluminium conductor steel supported (ACSS)	Mass per unit length	BS EN 50540 Cl. 6.4.7
425	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Conductors for overhead lines - aluminium conductor steel supported (ACSS)	Number and type of wires	BS EN 50540 Cl. 6.4.5
426	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Conductors for overhead lines - aluminium conductor steel supported (ACSS)	Stress strain test	BS EN 50540 Annex A
427	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Conductors for overhead lines - aluminium conductor steel supported (ACSS)	Tensile breaking strength	BS EN 50540 Cl. 6.4.10
428	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Conductors for overhead lines - round wire concentric lay stranded conductors	Number and type of wires	BS EN 50182 Cl. 6.4.5
429	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Conductors for overhead lines - round wire concentric lay stranded conductors	Properties of grease - Mass per unit length	BS EN 50182 Cl. 6.6.1
430	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Conductors for overhead lines - round wire concentric lay stranded conductors	Tensile breaking strength	BS EN 50182 Cl. 6.4.8
431	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Connectors for use between aluminium - to - aluminum or aluminum-to-copper conductors	Tensile strength	ANSI C119.4 Cl. 6.2.2
432	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Glass-fiber-reinforced plastic rod	Tensile test	ASTM D3916
433	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Hardware fittings and accessories for conductor and earthwire	Mechanical strength test	PGCIL Specification, Section VI A Annexure A, Cl. 1.5, 2.3, 2.10
434	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Hardware fittings and accessories for conductor and earthwire	Proof load test	PGCIL Specification, Section VI A Annexure A, Cl. 2.9
435	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	High temperature conductors for use on overhead transmission lines	Conductor thermal expansion	CIGRE 426 Cl. 4.8



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436	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	High temperature conductors for use on overhead transmission lines	Temperature cycle	CIGRE 426 Cl. 4.17
437	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	High temperature conductors for use on overhead transmission lines	Torsional ductility	CIGRE 426 Cl. 4.11
438	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Hot dip galvanized coatings on fabricated iron and steel articles	Coating thickness	BS EN ISO 1461 Cl. 6.2
439	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Hot dipped galvanized coatings on round steel wires	Adhesion of zinc coating	IS 4826 Cl. 5
440	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Individual wires of overhead electrical conductors formed wire, concentric lay, stranded conductors	Tensile Test on Joints in Aluminium Wire	IEC 62219 Cl. 5.6
441	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Individual wires of stranded conductors for overhead lines - zinc coated steel wires	Stress at 1% extension	BS EN 50189 Cl. 11.3
442	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Metal fittings of insulators for overhead power lines with nominal Voltage greater than 1000 V part 1: general requirements and tests	Mechanical tests	IS 2486 (Part 1) Cl. 11
443	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Metal fittings of insulators for overhead power lines with nominal Voltage greater than 1000 V part 1: general requirements and tests	Slip strength test on clamps	IS 2486 (Part 1) Cl. 11.1
444	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Metal fittings of insulators for overhead power lines with nominal Voltage greater than 1000 V part 1: general requirements and tests	Visual examination	IS 2486 (Part 1) Cl. 5
445	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Optical ground wire (OPGW) for use on electric utility power lines	Creep test	IEEE 1138 Cl. 6.5.1.1
446	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Optical ground wire (OPGW) for use on electric utility power lines	Lay length & lay direction	IEEE 1138 Cl. 6.7.1 & 6.7.2
447	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Optical ground wire (OPGW) for use on electric utility power lines	Stress-strain test	IEEE 1138 Cl. 6.5.1.2



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448	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Optical ground wire (OPGW) for use on electric utility power lines	Ultimate tensile strength test	IEEE 1138 Cl. 6.5.1.4
449	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Overhead electrical conductors formed wire, concentric lay, stranded conductors	Tensile test of the conductor	IEC 62219 Cl. 6.5.3
450	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Overhead electrical conductors – stranded conductors	Creep test	IEC 61395
451	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Overhead electrical conductors formed wire, concentric lay, stranded conductors	Conductor diameter	IEC 62219 Cl. 6.6.2
452	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Overhead electrical conductors formed wire, concentric lay, stranded conductors	Cross-sectional area	IEC 62219 Cl. 6.6.1
453	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Overhead electrical conductors formed wire, concentric lay, stranded conductors	Lay ratio and direction of lay	IEC 62219 Cl. 6.6.6
454	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Overhead electrical conductors formed wire, concentric lay, stranded conductors	Linear density - mass per unit length	IEC 62219 Cl. 6.6.3
455	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Overhead electrical conductors formed wire, concentric lay, stranded conductors	Stress strain test	IEC 62219 Annex B
456	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Overhead lines – requirements and tests for fittings	Damage and failure load test / Vertical damage load and failure load test	IEC 61284 Cl. 11.3.1, 11.4.1
457	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Overhead lines – requirements and tests for fittings	Dimensional verification	IEC 61284 Cl. 8
458	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Overhead lines – requirements and tests for fittings	Proof load test	IEC 61284 Cl. 10
459	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Overhead lines – requirements and tests for fittings	Tensile test	IEC 61284 Cl. 11.5.1



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460	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Overhead lines - requirements and tests for fittings	Visual examination	IEC 61284 Cl. 7
461	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Round wire concentric lay overhead electrical stranded conductors	Cross-sectional area	IEC 61089 CL. 6.6.1
462	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Steel wire and wire products — nonferrous metallic coatings on steel wire part 2: zinc or zinc alloy coatings	Mass of coating	BS EN 10244-2 Cl. 5.2
463	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Stranded conductor with grease	Drop point	BS EN 50182 Cl. 6.6.2
464	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Stranded conductor with grease	Dropping point test	ASTM D566
465	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Stranded conductors - HTLS	Aeolian vibration test	PGCB Specification Volume 2 Annex 11-4 Cl. 1.10
466	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Stranded conductors - HTLS	Aeolian vibration test	PGCIL Specification Section VII B Annexure A Cl. 9
467	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Stranded conductors - HTLS	Axial impact test	PGCB Specification Volume 2 Annex 11-4 Cl. 1.7
468	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Stranded conductors - HTLS	Coefficient of linear expansion for core	PGCIL Specification Section VII B Annexure A Cl. 15
469	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Stranded conductors - HTLS	Radial crush test	PGCB Specification Volume 2 Annex 11-4 Cl. 1.8
470	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Stranded conductors - HTLS	Sheave test	PGCB Specification Volume 2 Annex 11-4 Cl. 1.6
471	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Stranded conductors -HTLS	Axial impact test	PGCIL Specification Section VII B Annexure A Cl. 1.8



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472	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Stranded conductors -HTLS	Coefficient of linear expansion	PGCB Specification Volume 2 Annex 11-4 Cl. 1.15
473	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Stranded conductors -HTLS	Salt Spray test	PGCIL Specification Section VII B Annexure A Cl. 11
474	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Stranded conductors -HTLS	Sheave test	PGCIL Specification Section VII B Annexure A Cl. 6
475	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Stranded conductors -HTLS	Temperature cycle test	PGCIL Specification Section VII B Annexure A Cl. 10
476	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Stranded conductors -HTLS	Torsional ductility test	PGCB Specification Volume 2 Annex 11-4 CL. 1.9
477	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Stranded conductors -HTLS	Torsional ductility test	PGCIL Specification Section VII B Annexure A Cl. 8
478	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Stranded conductors -HTLS	UTS test on stranded conductor	PGCB Specification Volume 2 Annex 11-4 Cl. 1.1
479	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Stranded conductors for overhead lines — round wire concentric lay stranded conductors	Lay ratio and direction of lay	BS EN 50182 CL. 6.4.4
480	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Stranded conductors for overhead lines — round wire concentric lay stranded conductors	Stress strain test	BS EN 50182 Annex C
481	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Stranded conductors with grease	Dropping point test	ISO 2176
482	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Stranded conductors, OPGW	Aeolian vibration	IEC 60794 1-2 Cl. 21
483	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Stranded conductors, OPGW	Crush	IEC 60794 1-2 Cl. 7



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484	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Stranded conductors, OPGW	Sheave test (bending under tension)	IEC 60794 1-2 Cl. 20
485	MECHANICAL- SUB ASSEMBLY/ANCILLARIES/ACCESSORIES	Zinc coated iron and steel articles	Mass of zinc coating	IS 6745