



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

STERLITE TECHNOLOGIES LIMITED - OFC QUALITY ASSURANCE LABORATORY, SURVEY NO. 68/1, RAKHOLI VILLAGE, MADHUBAN DAM ROAD, SILVASSA, DADRA AND NAGAR HAVELI AND DAMAN AND DIU, INDIA

Accreditation Standard

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Permanent Testing				
1	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Cable Element and Accessories, Plastic	Environmental Stress Cracking Resistance	ASTM D1693, TEC89010, ASTM D4565
2	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Fiber Reinforced Plastic (FRP) Rod	Heat Stress Test	TEC 89010
3	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Fibre Reinforced Plastic (FRP) Rod	Diameter / Physical Dimension of Coated Rod (Diameter)	TEC 89010, BS EN 60811-203
4	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Tight Buffer Tube	Stripability of Tight Buffer	IEC 60794-3, IEC 60793-1-32, ICEA 640, TIA-455-178-C, IEC 60973-1-23, IEC 60794-1-310, IEC 60973-1-21
5	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Fibre Reinforced Plastic (FRP) Rod, Optical Fiber Cable	Tensile Strength of FRP	ASTM D3916
6	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Fibre Reinforced Plastic (FRP) Rod, Optical Fiber Cable	Elongation of FRP	ASTM D3916
7	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Loose Tube, Optical Fiber Cable	Embrittlement Test	TEC GR xx, TEC 85190



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8	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Messenger Wire, Twisted Metal Wire, Optical Fiber Cable	Lay Length	IEEE 1138, TEC GR, TEC 89010, RDSO/SPN/TC/110/2020, TEC GR xxx, TEC85190
9	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Micro Modules, Optical Fiber Cable	Solvent Resistance	ST/CNET/5843, ORANGE/OLN/WNI/20/12/04
10	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Micro Modules, Optical Fiber Cable	Damp Heat Behaviour	ST/CNET/5843, ORANGE/OLN/WNI/20/12/04
11	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber (Coloured), Ribbon, Optical Fiber Cable	MEK Rub Test / Colour qualification for color fibres MEK RUB Test (Methyl Ethyl Ketone)	IEC 60794-1-219, TEC GR 89010
12	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable	Cable Termination	Telecordia GR20 Issue 4
13	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable	Color Permanence and Marking Durability	Telcordia GR 20 Issue 4
14	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable	Easy Removal of Sheath	RDSO/SPN/TC/110/2020, TEC GR xx, TEC 85190



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15	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable	Test of Figure of 8 on the cable	RDSO/SPN/TC/110/2020, TEC GR xx , TEC 85190
16	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable	Impact Test	IEEE 1222, IEEE 1138, IEC 60794-1-21, XP C 93-850-3-25, IEC 60794-1-104, Telcordia GR 20 Issue 4
17	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable	Abrasion Test	IEEE 1222 , IEEE 1138, IEC 60794-1-21, XP C 93-850-3-25, Telcordia GR 20 Issue 4
18	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable	Aeolin Vibration Test	IEC 60794-1-21, IEEE 1222, TIA-455-11-E, IEEE 1138
19	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable	Creep Behaviour - Cable Strain/Eongation	IEC 60794-1-21, IEEE 1222, IEC 61395, IEEE 1138
20	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable	Creep Behaviour - Change in Transmittance	IEC 60794-1-21, IEEE 1222, IEC 61395, IEEE 1138
21	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable	Crush Test / Compressive Stress Test	IEEE 1222, IEC 60794-1-21, Telcordia GR 20 Issue 4, IEEE 1138, XP C 93-850-3-25, TIA-455-41-A



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22	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable	Flexural Rigidity Test (Three-point bend)	IEC 60794-1-21, TEC 85190, ASTM D790
23	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable	Galloping Test	IEC 60794-1-21, IEEE 1222, IEEE 1138
24	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable	High Voltage test	BT Standard CW1500-11 Issue 4
25	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable	Low and High Temperature Cable Bend	Telcordia GR 20 Issue 4, TIA-455-37-B, IEC 60794-1-22-F1, IEC 60794-1-215
26	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable	Multiple Cable Coiling and Uncoiling Performance	IEC 60794-1-21, Telcordia GR 20 Issue 4
27	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable	Repeated Bend Test / Cyclic Flexing	IEEE 1222, IEEE 1138, IEC 60794-1-21, XP C 93-850-3-25, Telcordia GR 20 Issue 4
28	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable	Static Bend Test	IEC 60794-1-21, IEC 60794-3-10, IEC 60794-5-10, IEEE 1222, IEEE 1138, ASTM D790, TIA-EIA-455-88



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29	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable	Temperature Cycle Test	IEEE 1222, IEEE 1138, Telcordia GR 20 Issue 4, XP C 93-850-3-25, IEC 60794-1-212, IEC 60794-1-201, IEC 60794-1-22
30	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable	Tensile Test -Change in Attenuation	IEEE 1222, IEEE 1138, IEC 60794-1-101, IEC 60794-1-21, XP C 93-850-3-25, Telcordia GR 20 Issue 4
31	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable	Torsion Test	IEEE 1222, IEEE 1138, IEC 60794-1-21, XP C 93-850-3-25, Telcordia GR 20 Issue 4
32	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable	Water Penetration Test	IEC 60794-1-22, Telcordia GR 20 Issue 4, XP C 93-850-3-25, ICEA 640, TIA-455-82-C
33	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable	Rated Pulling Tension - Change in Transmittance	Telcordia GR 20 issue 4
34	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable	Sheave Test/ Bending under tension	IEEE 1222, IEEE 1138, IEC 60794-1-21, XP C 93-850-3-25, Telcordia GR 20 Issue 4
35	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable	Snatch Test	IEC 60794-1-21, TEC GR xx, TEC 85020



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36	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable	Spark Test / Sheath to Ground Dielectric Strength Test	RDSO/SPN/TC/110/2020, IEC 62230, TEC GR xx ,TEC 85170, IEC 60794-1-2 F3
37	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable	Tensile Test - Fiber Strain	IEEE 1222, IEEE 1138, IEC 60794-1-21, XP C 93-850-3-25, IEC 60794-1-101, Telcordia GR 20 Issue 4
38	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable	Thaw / Cable Internal Freezing test	IEC 60794-1-22, Telcordia GR 20 Issue 4
39	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable & Cable Element, Optical Fiber, Ribbon, Tube, Binder, Ribbon, filler	Nos & Colour Identification of Fiber or ribbon or Tube or Binder per unit/tube/ribbon/binder/cable/cable element	TIA - 598D
40	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable & Element, Optical Fiber Accessories and Polymer Samples	Carbon Black Dispersion	ISO 18553, IS-7328
41	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable ,Water Blocking Tape, Polyfilm Tape, SS304 Tape, ECCS Tape, Steel Tape, Tape	Thickness of Tapes / Copolymer Thickness of Tape	TEC 89010
42	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable and Cable Element	Cut-through Resistance (Shear Strength)	XP C 93-850-3-25, ORANGE/OLN/WNI/20/12/04



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43	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable and Cable Element	Polyethylene Peeling /Jacket Bonding / Force of Adhesion Test	ASTM D4565, TRFO-13 , TEC 89010, TEC GR xx, RDSO/SPN/TC/110/2020, TEC 85170
44	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable and Cable Element and Accessories, Plastic	Jacket Yield Strength	ICEA 640, ASTM D1248, Telcordia GR 20 issue 4
45	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable and Cable Element, Plastic	Jacket Shrink back / Sheath Shrinkage	ICEA 640, BS EN 60811-1-3, ASTM D4565, IEC 60794-1-211,TIA-455-86-A
46	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable and Cable Elements	Bending Stiffness	IEC 60794-1-21, XP C 93-850-3-25, Telcordia GR 20 Issue 4
47	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable and cable elements and accessories, Plastics, FRP	Water Absorption	ASTM D570
48	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Cable Element and accessories	Weight Analysis of Cable & Cable Elements	TEC GR xx, TEC89010, RDSO/SPN/TC/110/2020
49	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Cable Element	Cable Length and Length Marking	Telcordia GR 20 Issue 4, RDSO/SPN/TC/110/2020, TEC GR, TEC 85190



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50	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Cable Element	Cable Aging Test	IEEE 1222, IEEE 1138, XP C 93-850-3-25, IEC 60794-1-22, Telcordia GR 20 Issue 4, IEC 60794-1-209
51	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Cable Element	Cable External Freezing Test / Cable Freezing Test	IEC 60794-1-22, Telcordia GR 20 Issue 4, FOTP- 98, EIA TA 98, IEC 60794-1-215
52	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Cable Element	Cable Kink test	IEC 60794-1-21, IEC 60794-3-10, IEC 60794-3-11, IEEE 1222, IEEE 1138
53	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Cable Element	Cable Shrinkage Test (Fiber Protrusion)	IEC 60794-1-22 Edition 2.0, IEC 60794-1-217
54	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Cable Element and Accessories	Cable Construction	TEC 89010, TEC/GR/TX/OFC-20/01/MAR2011, TEC 85170, RDSO/SPN/TC/110/2020, TEC GR, Telcordia GR 20 Issue 4, ICEA S-110-717
55	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Cable Element and Accessories	Aggressive Media / Effect Of Aggressive Media	ICEA 640, ISO 175, TEC GR, TEC 85190, RDSO/SPN/TC/110/2020, TEC ER No TEC 70022401
56	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Cable Element and Accessories, Individual Element	Dimension Measurement of Cable & Cable Elements / Dimension Measurement of Elements and accessories	TEC 89010, BS EN 60811-203, ASTM D4565



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57	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Cable Element and Accessories, Plastic	Oxidation Induction Time	ASTM D3895, IEC 538, ASTM D4565
58	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Cable Element and Accessories, Plastics	Moisture Test / Moisture Content Test	ASTM D817
59	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Cable Element and Accessories, Plastics	Hardness (Shore D)	ASTM D2240, ISO 868
60	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Cable Element and Accessories, Plastics	Density Test	ASTM D792, ASTM D1505, BS2782 Part 6 Method 620 A-D, BS EN 60811-1-3, ISO 1183
61	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Cable Element and Accessories, Steel Tape, Wire	Electrical Continuity	IEC 60794-1-24, IEC 60794-3-11, IEC 60794-1-401, IEC 60794-1-402, IEC 60794-1-403
62	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber cable, Cable Element, Polymer Sample	Cables Under Fire Conditions Circuit Integrity /Flame Test	IEC 60331-1, IEC60331-12, IEC60331-25, IEC 60331-11
63	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Cable Elements	Compound Flow / Drip Test / Water Blocking Material Flow	IEC 60794-1-22, Telcordia GR 20 Issue 4, XP C 93-850-3-25, IEEE 1138, TIA/EIA-455-81-C, ASTM D4565



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64	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Cable Elements, Micro Modules	Compatibility with Cable Water Blocking Products	ST/CNET/5843, ORANGE/OLN/WNI/20/12/04
65	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Cable Elements, Polymer Sample	Cables Under Fire Conditions Single Vertical/Flame Test /Flame Spread-Single cable/Flame propagation for single cable/Flame retardant test single cable/ Flammability test single	IEC 332-1, IEC 60332-1-2
66	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Cord, Yarns, Ripcord	Elongation of Yarns/Cord	ASTM D2256, ASTM D885, ASTM D882
67	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Fiber Reinforced Plastic (FRP) Rod	Thermal Resistance Test	TEC89010
68	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Fibre Reinforced Plastics (FRP) Rod	Minimum Bend Diameter / Minimum Bend Radius	RDSO/SPN/TC/110/2020, TEC 89010
69	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Loose / Ribbon Tube	Drainage Test	IEC 60794-1-21, IEC 60794-3, TEC GR XX,TEC70022401, IEC 60794-1-22



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70	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Loose / Ribbon Tube	Elongation Test of tube	ASTM D638, RDSO/SPN/TC/110/2020, IEC 60794-1-23, EC 60794-1-311, IEC 60794-1-312, ASTM D4565
71	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Micro Modules	Dry Heat Behaviour	ST/CNET/5843, ORANGE/OLN/WNI/20/12/04
72	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Optical Fiber Cable Element/ Tube	Cable Bend Test / Bending Test for Cable or cable element	IEC 60794-3-10, IEC 60794-1-21, IEC 60794-5-10, IEC 60794-1-23, IEEE 1222, IEEE 1138, TIA-EIA-455-88, IEC 60794-1-111
73	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Optical Fiber Ribbon	Ribbon Compression Resistance / Ribbon Crush Resistance	IEC 60794-1-31, IEC 60794-3
74	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Optical Fiber Ribbon	Ribbon Macro-bend	TEC 85030, IEC 60794-1-31, IEC 60794-3, IEC 60794-3, IEC 60794-1-301
75	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Plastic Sample	Ultimate Elongation	ICEA 640, ASTM D1248, Telcordia GR 20 issue 4
76	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical fiber Cable, Plastics	Tracking & Erosion Test / Electrical Test	IEC60794-4-20, ASTM D2303



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77	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Polyfilm , Water Blocking & Plastic Tapes , Steel Tapes	Elongation of Tape	ISO 9073-3, ASTM E8, ASTM D882
78	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Polyfilms, Water Blocking & Plastic Tapes, Tapes, Steel Tapes	Tensile / Belt Strength of Tape	ISO 9073-3,ASTM E8, ASTM D882
79	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Ribbon	Ribbon Dimensions ,Ribbon Structure	Telcordia GR 20 Issue 4, ICEA 640, TIA-455-123, IEC 60794-1-303, IEC 60794-1-23, IEC 60794-3, IEC 60794-1-31
80	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Ripcord	Grams Per Denier (GPD)	ASTM D2256, TEC GR xx, TEC89010
81	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Ripcord	Ripcord Functional Test / Ripcord Test	IEEE 1222 , IEC 60794-1-21, Telcordia GR 20 issue 4, TEC GR, TEC GR 89010, RDSO/SPN/TC/110
82	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Ripcord	Non Wicking Treatment	TEC 89010
83	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Ripcord, Binder, Yarns	Breaking Load	ASTM D2256, ASTM D885, ASTM D882,IEC 60794-1-21



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84	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Steel Tape	Corrugation Height	RDSO/SPN/TC/110/2020, TEC GR /ER OFC, TEC 85260, TEC 85170
85	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Steel Tape	Corrugation Pitch	RDSO/SPN/TC/110/2020, TEC GR/ER of OFC ,TEC85260, TEC 85170
86	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Steel Wire, Metal Wire, Messenger Wire	Elongation Test of wire	ASTM A370
87	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Steel Wire, Metal Wire, Messenger Wire	Tensile Strength of Wire	ASTM A370
88	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Tube	Tube Kink Resistance / Kink Resistance Test on Tube	Telcordia GR 20 Issue 4, IEC 60794-1-307, IEC 60794-1-23
89	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Tube	Tensile Test of Tube	ASTM D638, RDSO/SPN/TC/110/2020, IEC 60794-1-23, IEC 60794-1-311, IEC 60794-1-312, ASTM D4565
90	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Water Blocking Tape	Swelling Height	TEC 89010



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91	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Water Blocking Tape	Swelling Speed	TEC 89010
92	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Water Swellable yarn	Absorption / Swelling Speed	TEC 89010
93	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Water Swellable yarn	Absorption / Swelling Capacity	TEC 89010
94	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cable, Yarns, Plastic	Shrinkage	TEC GR 89010, ASTM D4974
95	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cables & accessories, Optical Fiber Cable Element, Plastics	Carbon Black Content	ASTM D1603
96	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cables, Cable Element & Accessories, Plastics	Elongation	ASTM D638, ISO 527, ASTM D4565, RDSO/SPN/TC/110/2020, IEC 60794-1-23, IEC 60794-1-311, ASTM D412
97	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Cables, Cable Elements & Accessories, Plastics	Tensile Strength	ASTM D638, ISO 527, ASTM D412, RDSO/SPN/TC/110/2020, IEC 60794-1-23, IEC 60794-1-311, ASTM D4565



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98	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Ribbon, Optical Fiber Cable	Ribbon Splice Loss	Telcordia GR 20 Issue 4
99	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Ribbon, Optical Fiber Cable	Ribbon Separation / Ribbon Tear / Ribbon Separability	Telcordia GR 20 Issue 4, ICEA 640, IEC 60794-1-23, IEC 60794-3, IEC 60794-1-305, IEC 60794-1-31
100	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Ribbon, Optical Fiber Cable	Ribbon Stripability	Telcordia GR 20 Issue 4, ICEA 640, TIA-455-178-C, IEC 60794-1-21, IEC 60794-3, IEC 60794-1-31, IEC 60794-1-310-G10B, IEC 60973-1-23
101	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Ribbon, Optical Fiber Cable	Ribbon Torsion Resistance	TEC 85030, IEC 60794-1-3, IEC 60794-3, IEC 60794-1-306, IEC 60794-1-23
102	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Ribbon, Optical Fiber Cable	Ribbon Twist Robustness / Ribbon Torsion / Ribbon Twist Test / Ribbon Resistance to Twist Test	Telcordia GR 20 Issue 4, IEC 60794-1-31, IEC 69794-3, TIA-455-141
103	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber Ribbon, Optical Fiber Cable	Ribbon Residual Twist	TIA-455-131, IEC 60794-1-21, IEC 60794-1-308, Telcordia GR 20 Issue 4
104	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber, Optical Fiber Cable	Mid-span temperature cycling test for exposed buffer tubes(pedestal)	Telcordia GR 20 Issue 4 section 6.5.11, TIA-455-244, IEC 60794-1-22 F18



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105	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber, Optical Fiber Cable	Straight Midspan Access to Optical Elements	IEC 60794-1-21 Method E29, Telcordia GR 20 Issue 4
106	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber, Optical Fiber Cable, Optical Fiber Ribbon	Attenuation at 1310,1550,1625,1490,1383 nm/Attenuation at x nm/ Water Peak Attenuation @ 1383 nm / Water Peak Attenuation @ 1383 ± 3 nm / Water Peak Attenuation between 1380 -1390 nm	ITU-T G.65x, G.650.1 and IEC 60793-2-50, IEC 60794-3-10, IEEE 1222, IEEE 1138, Telcordia GR 20 Issue 4, IEC 60793-1-40 Method C, TIA-455-78 C
107	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber, Optical Fiber Cable, Optical Fiber Ribbon	Cut off Wavelength	IEC 60793-1-44
108	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber, Optical Fiber Cable, Optical Fiber Ribbon	Fiber Curl Measurement	IEC 60793-2-50, IEC 60793-1-34
109	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber, Optical Fiber Cable, Optical Fiber Ribbon	Chromatic Dispersion Coefficient / Chromatic Dispersion Coefficient x nm / Chromatic Dispersion Coefficient between x-y nm	ITU-T G.65x, G.650.1 and IEC 60793-2-50, IEC 60793-1-42, TIA 455-175-C
110	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber, Optical Fiber Cable, Optical Fiber Ribbon	Clad Diameter / Cladding Diameter	IEC 60793-1-20 Cor 1, TIA-455-176 B



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111	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber, Optical Fiber Cable, Optical Fiber Ribbon	Coating Cladding Concentricity	IEC 60793-2-50, 60793-1-21
112	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber, Optical Fiber Cable, Optical Fiber Ribbon	Optical Length	IEC 60793-1-22, Telcordia GR 20 Issue 4, IEEE 1222, IEC 60793-1-40, IEEE 1138
113	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber, Optical Fiber Cable, Optical Fiber Ribbon	Polarization Mode Dispersion / PMD @ 1310 /1550 nm / PMD Link Design Value	IEC 60793-1-48, ITU-T G.65x, G.650.1, IEC 60793-2-50, TIA-EIA-455-157
114	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber, Optical Fiber Cable, Optical Fiber Ribbon	Cable Cut-off Wavelength	IEC 60793-1-44, ITU-T G.65x, G.650.1 and IEC 60793-2-50, EIA/TIA-455-170
115	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber, Optical Fiber Cable, Optical Fiber Ribbon	Clad Non-circularity / Cladding Non-circularity	IEC 60793-1-20 Cor 1, TIA-455-176 B
116	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber, Optical Fiber Cable, Optical Fiber Ribbon	Coating Non-circularity	IEC 60793-2-50, 60793-1-21
117	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber, Optical Fiber Cable, Optical Fiber Ribbon	Core-clad Concentricity Error / Mode field concentricity error	IEC 60793-2-50, 60793-1-20 Cor 1, TIA-455-176 B



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118	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber, Optical Fiber Cable, Optical Fiber Ribbon	Fiber Coating Measurement / Primary Coating Diameter / Coloured Fibre Coating Diameter / Diameter over primary coated with double UV cured acrylate (Uncoloured Fiber)	IEC 60793-1-21, IEC 60793-2-50
119	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber, Optical Fiber Cable, Optical Fiber Ribbon	Fiber Fusibility / Fiber Splice Loss / Splice Loss / Ribbon Splice Loss	Telcordia GR 20 Issue 4
120	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber, Optical Fiber Cable, Optical Fiber Ribbon	Fiber Macro Bending / Micro Bending / Ribbon Macro Bending	IEC 60793-2-50, ITU-T G.657. A & G.657.B, G.650.1, G.65x, G.652.D, G655, IEC 60793-1-47, IEC 60794-1-301, TIA-455-62-C
121	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber, Optical Fiber Cable, Optical Fiber Ribbon	Fiber Stripability (Peak Stripability Force) / Fiber Stripability (Average Stripability Force) / Peak Stripability Force to remove primary coating of the fibre	TIA-455-178-C, Telcordia GR 20 issue 4, IEC 60793-2-50, IEC 60794-1-310, IEC 60793-1-32, IEC 60973-1-23
122	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber, Optical Fiber Cable, Optical Fiber Ribbon	Mode Field diameter (MFD) of Single Mode fibers / Nominal diameter / MFD @ 1310 / 1550 nm	IEC 60793-1-45 Method B, TEC89010, RDSO/SPN/TC/110
123	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber, Optical Fiber Cable, Optical Fiber Ribbon	Point Discontinuities / Sudden Irregularity in Attenuation	Telcordia GR 20 Issue 4, TEC 89010



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124	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber, Optical Fiber Cable, Optical Fiber Ribbon	Slope at Zero Dispersion / Zero Dispersion Slope /Dispersion Slope at Wavelength xx nm	ITU-T G.655, ITU-T G.65x, G.650.1, TIA455-175-C, IEC 60793-2-50, IEC 60793-1-42
125	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber, Optical Fiber Cable, Optical Fiber Ribbon	Spectral Attenuation	IEC 60793-1-40, ITU-T G.65x, G.650.1 and IEC 60793-2-50, TIA-455-78 C
126	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber, Optical Fiber Cable, Optical Fiber Ribbon	Zero Dispersion Wavelength	IEC 60793-1-42, TIA 455-175-C
127	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber, Ribbon , Loose Tube, Sheath, Optical Fiber Cable and its component & Accessories	Cable Material Compatibility Test / Material Compatibility Test / Cable Material Compatibility test for Fibre : Fibre to be aged with filling compound for 30 days at 85 degree temperature and 85% Relative Humidity	Telcordia GR 20 Issue 4, ICEA 640, IEC 60794-1-21, IEC 60794-1-219, TIA-455-178 C
128	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical Fiber, Ribbon, Optical Fiber Cable	Water immersion test / Water Immersion Test: Induced attenuation at 1550 nm and 1625 nm due to water immersion at 23 ± 2°C	TEC 85190, IEC 60793-1-53, IEC 60793-2-50, TIA-455-74-B
129	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Optical fibre Cable, Micro Modules	Stripability of Module for Extraction of optical fibres / Strippability test - Micromodule	ST/CNET/5843, ORANGE/OLN/WNI/20/12/04, TEC ER No TEC 70022401, IEC 60794-1-310, IEC 60794-1-310



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130	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Plastics, Optical Fiber Cables , Cable Elements and Accessories	Melting Point	ASTM D3418, ASTM D2117 DSC Method, ASTM D789
131	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Plastics, Optical Fiber Cables, Cable Element & Accessories	Melt Flow Rate / Melt Flow Index	ASTM D1238, BS2782 Part 7 (Method 720A), ISO 1133, ASTM D4565
132	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Plastics, Optical Fiber Cables, Cable Elements and Accessories	UV Resistance Test	IEC 60794-1-22 Method F14, ISO 4892-2, ISO 4892-3, IEC 60794-1-21, ASTM G-154, IEC 60068-2-1, ASTM G-53, BS EN 50289-4-17