



## BUREAU OF INDIAN STANDARDS

### Program of Work

#### LITD 11 : Fibre Optics, Fibers, Cables And Devices

Scope: To prepare Indian Standard for fibre optics systems and associated components and devices intended for use with communications equipment and devices employing similar techniques

Liaison: **IEC TC-86 (P): Fibre optics IEC TC-86 SC-86A (P): Fibres and cables IEC TC-86 SC-86B (P): Fibre optic interconnecting devices and passive components IEC TC-86 SC-86C (O): Fibre optic systems and active devices**

### Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 14624 (Part 2) : 2012 IEC Reviewed In : 2021 IEC 60825-2:2005	Safety of laser products: Part 2 safety of optical fibre communication systems (OFCS) (First Revision)	December, 2021	-	Identical under dual numbering
2	IS 14976 : 2012 IEC Reviewed In : 2021 IEC 61315: 2005	Calibration of fibre - Optic power meters (First Revision)	December, 2021	-	Identical under dual numbering
3	IS 15077 (Part 1) : 2019 IEC 62007 - 1 : 2015 Reviewed In : 2022 IEC 62007 : 2015	Semiconductor Optoelectronic Devices for Fibre Optic System Applications Part 1 Specification Template for Essential Ratings and Characteristics ( Second Revision )	July, 2022	-	Identical under dual numbering
4	IS 15077 (Part 2) : 2012 IEC Reviewed In : 2021 IEC 62007-2: 2009	Semiconductor optoelectronic devices for fibre optic system applications: Part 2 measuring methods (First Revision)	September, 2021	-	Identical under dual numbering
5	IS 15480 : 2021 IEC 60869-1: 2012 Reviewed In : 2024 IEC 60869-1: 2018	FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS FIBRE OPTIC PASSIVE POWER CONTROL DEVICES PART 1: GENERIC SPECIFICATION FIRST REVISION	February, 2024	-	Identical under dual numbering
6	IS 16180 (Part 1) : 2014 IEC Reviewed In : 2023 IEC 61754-1: 2013	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces: Part 1 general and guidance	November, 2023	-	Identical under dual numbering
7	IS 16180 (Part 13) :	Fibre optic connector interfaces:	November, 2021	-	Identical under dual

	2018 IEC 61754-13 : 2006 Reviewed In : 2021 IEC 61754-13: 2006	Part 13 type fc - Pc connector			numbering
8	IS 16282 : 2014 IEC 61930 : 1998 Reviewed In : 2023 IEC 61930 : 1998	Fibre Optic Graphical Symbology	September, 2023	-	Identical under dual numbering
9	IS 16283 : 2014 IEC 61931 : 1998 Reviewed In : 2023 IEC 61931 : 1998	Fibre Optic Terminology	November, 2023	-	Identical under dual numbering
10	IS 16285 : 2020 IEC 61745 : 2017 Reviewed In : 2023 IEC 61745 : 1998	End-face Image Analysis Procedure for the Calibration of Optical Fibre Geometry Test Sets ( First Revision )	July, 2023	-	Identical under dual numbering
11	IS 16438 : 2021 IEC 61753-1: 2020 Reviewed In : 2024 IEC 61753-1: 2020	Fibre optic interconnecting devices and passive components Performance standard Part 1: General and guidance First Revision	February, 2024	-	Identical under dual numbering
12	IS 16438 (Part 2/Sec 1) : 2019 IEC 61753-2-1 : 2000 Reviewed In : 2019 IEC 61753-2-1 : 2000	Fibre Optic Interconnecting Devices and Passive Components Performance Standard Part 2 Fibre Optic Connectors Terminated on Single-Mode Fibre for Category U Section 1 Uncontrolled environment	-	-	Identical under dual numbering
13	IS 16607 : 2018 IEC 62614 : 2010 Reviewed In : 2021 IEC 62614 : 2010	Fibre Optics "Launch Condition Requirements for Measuring Multimode Attenuation	October, 2021	-	Identical under dual numbering
14	IS 16625 (Part 1) : 2018 IEC 62496-1 : 2008 Reviewed In : 2021 IEC 62496-1 : 2008	Optical Circuit Boards Part 1 General	November, 2021	-	Identical under dual numbering
15	IS 16939 : 2018 Reviewed In : 2021	Optical Fibre Cables for Inside Premises ( FTTx ) Application	June, 2021	-	Indigenous
16	IS 17046 : 2018 Reviewed In : 2021	Fibre Optic Cable for Cable TV Application	October, 2021	-	Indigenous
17	IS/QC 210000 : 1994 Reviewed In : 2016 IECQC 210000	Connectors for Optical Fibres and Cables Generic Specification	February, 2016	-	Identical under single numbering
18	IS/IEC 60793-1-1 : 2017 IEC 60793-1-1 : 2017 Reviewed In : 2022 IEC 60793-1-1: 2017	Optical fibres: Part 1 measurement methods and test procedures: Sec 1 general and guidance (First Revision)	August, 2022	-	Identical under single numbering
19	IS/IEC 60793-1-20 : 2014 IEC 60793-1-20 : 2014	Optical fibres: Part 1 measurement methods and test procedures: Sec 20 fibre geometry (First Revision)	September, 2022	-	Identical under single numbering

	Reviewed In : 2022 IEC 60793-1-20: 2014				
20	IS/IEC 60793-1-21 : 2001 Reviewed In : 2021 IEC 60793-1-21: 2001	Optical fibres: Part 1 measurement methods and test procedures: Sec 21 coating geometry	December, 2021	-	Identical under single numbering
21	IS/IEC 60793-1-22 : 2001 Reviewed In : 2021 IEC 60793-1-22: 2001	Optical fibres: Part 1 measurement methods and test procedures: Sec 22 length measurement	December, 2021	-	Identical under single numbering
22	IS/IEC 60793-1-30 : 2010 IEC Reviewed In : 2022 IEC 60793-1-30: 2010	Optical fibres: Part 1 measurement methods and test procedures: Sec 30 fibre proof test	April, 2022	-	Identical under single numbering
23	IS/IEC 60793-1-31 : 2010 IEC Reviewed In : 2022 IEC 60793-1-31: 2010	Optical fibres: Part 1 measurement methods and test procedures: Sec 31 tensile strength	April, 2022	-	Identical under single numbering
24	IS/IEC 60793-1-32 : 2010 IEC Reviewed In : 2022 IEC 60793-1-32: 2010	Optical fibres: Part 1 measurement methods and test procedures: Sec 32 coating strippABILITY	June, 2022	-	Identical under single numbering
25	IS/IEC 60793-1-33 : 2017 IEC 60793-1-33 : 2017 Reviewed In : 2022 IEC 60793-1-33: 2017	Optical Fibres Part 1 Measurement Methods and Test Procedures Section 33 Stress corrosion susceptibility ( First Revision )	June, 2022	-	Identical under single numbering
26	IS/IEC 60793-1-34 : 2006 Reviewed In : 2022 IEC 60793-1-34: 2006	Optical fibres: Part 1 measurement methods and test procedures: Sec 34 fibre curl	May, 2022	-	Identical under single numbering
27	IS/IEC 60793-1-40 : 2001 Reviewed In : 2019 IEC 60793-1-40: 2001	Optical fibres: Part 1 measurement methods and test procedures: Sec 40 attenuation	April, 2019	-	Identical under single numbering
28	IS/IEC 60793-1-41 : 2010 Reviewed In : 2022 IEC 60793-1-41: 2010	Optical fibres: Part 1 measurement methods and test procedures: Sec 41 bandwidth	April, 2022	-	Identical under single numbering
29	IS/IEC 60793-1-42 : 2013 IEC 60793-1-42 : 2013 Reviewed In : 2022 IEC	Eror	April, 2022	-	Identical under single numbering

	60793-1-42:2013				
30	IS/IEC 60793-1-43 : 2015 IEC 60793-1-43 : 2015 Reviewed In : 2022 IEC 60793-1-43:2015	Optical fibres: Part 1 measurement methods and test procedures: Sec 43 numerical aperture measurement (First Revision)	January, 2022	-	Identical under single numbering
31	IS/IEC 60793-1-44 : 2011 IEC Reviewed In : 2022 IEC 60793-1-44: 2011	Optical fibres: Part 1 measurement methods and test procedures: Sec 44 cut - Off wavelength	July, 2022	-	Identical under single numbering
32	IS/IEC 60793-1-45 : 2017 IEC 60793-1-45 : 2017 Reviewed In : 2023 IEC 60793-1-45: 2017	Optical Fibres Part 1 Measurement Methods and Test Procedures Section 45 Mode field diameter ( First Revision )	February, 2023	-	Identical under single numbering
33	IS/IEC 60793-1-46 : 2001 Reviewed In : 2022 IEC 60793-1-46:2001	Optical fibres: Part 1 measurement methods and test procedures: Sec 46 monitoring of changes in optical transmittance	April, 2022	-	Identical under single numbering
34	IS/IEC 60793-1-47 : 2017 IEC 60793-1-47 : 2017 Reviewed In : 2022 IEC 60793-1-47: 2017	Optical Fibres Part 1 Measurement Methods and Test Procedures Section 47 Macrobending loss ( First Revision )	December, 2022	-	Identical under single numbering
35	IS/IEC 60793-1-48 : 2017 IEC 60793-1-48 : 2017 Reviewed In : 2022 IEC 60793-1-48: 2017	Optical Fibres Part 1 Measurement Methods and Test Procedures Section 48 Polarization mode Dispersion ( First Revision )	December, 2022	-	Identical under single numbering
36	IS/IEC 60793-1-49 : 2006 Reviewed In : 2019 IEC 60793-1-49: 2006	Optical fibres: Part 1 measurement methods and test procedures: Sec 49 differential mode delay	April, 2019	-	Identical under single numbering
37	IS/IEC 60793-1-50 : 2014 IEC 60793-1-50 : 2014 Reviewed In : 2022 IEC 60793-1-50:2014	Optical Fibres Part 1 Measurement Methods and Test Procedures Section 50 Damp heat (steady state) tests	July, 2022	-	Identical under single numbering
38	IS/IEC 60793-1-51 : 2014 IEC 60793-1-51 : 2014 Reviewed In : 2021 IEC 60793-1-51 :2014	Optical fibres: Part 1 measurement methods and test procedures: Sec 51 dry heat (Steady State) tests (First Revision)	June, 2021	-	Identical under single numbering

39	IS/IEC 60793-1-52 : 2014 IEC 60793-1-52 : 2014 Reviewed In : 2021 IEC 60793-1-52 : 2014	Optical fibres: Part 1 measurement methods and test procedures: Sec 52 change of temperature tests (First Revision)	June, 2021	-	Identical under single numbering
40	IS/IEC 60793-1-53 : 2014 IEC 60793-1-53 : 2014 Reviewed In : 2021 IEC 60793-1-53 : 2014	Optical fibres: Part 1 measurement methods and test procedures: Sec 53 water immersion tests (First Revision)	August, 2021	-	Identical under single numbering
41	IS/IEC 60793-1-54 : 2018 IEC 60793-1-54 : 2018 Reviewed In : 2022 IEC 60793-1-54: 2018	Optical fibres: Part 1 measurement methods and test procedures: Sec 54 gamma irradiation (First Revision)	August, 2022	-	Identical under single numbering
42	IS/IEC 60793-2-60 : 2008 Reviewed In : 2021 IEC 60793-2-60: 2008	Optical fibres: Part 2 product specifications: Sec 60: Secal specification for category c single - Mode intraconnection fibres	May, 2021	-	Identical under single numbering
43	IS/IEC 60794-1-2 : 2003 Reviewed In : 2018 IEC 60794-1-2: 2003	Erro	July, 2018	-	Identical under single numbering
44	IS/IEC 60794-1-2 : 2017 IEC 60794-1-2: 2017 IEC 60794-1-2: 2017	Optical fibre cables Part 1 Generic specification Section 2 Basic optical cable test procedures General guidance First Revision		-	Identical under single numbering
45	IS/IEC 60794-1-1 : 2015 IEC 60794 -1-1 : 2015 Reviewed In : 2021 60794-1-1: 2015	Optical Fibre Cables Part 1 Generic Specification Section 1 General ( First Revision )	August, 2021	-	Identical under single numbering
46	IS/IEC 60794-2-10 : 2011 IEC 60794-2-10 : 2011 Reviewed In : 2021 IEC 60794-2-Sec 10 : 2011	Optical Fibre Cables Part 2 Indoor Optical Fibre Cables Section 10 Family specification for simplex and duplex cables	October, 2021	-	Identical under single numbering
47	IS/IEC 60794-2-11 : 2020 IEC 60794-2-11: 2020 Reviewed In : 2024 IEC 60794-2-11: 2020	Optical fibre cables Part 2 Indoor cables Section 11 Detailed specification for simplex and duplex cables for use in premises cabling First Revision	February, 2024	-	Identical under single numbering
48	IS/IEC 60794-2 : 2017	Optical fibre cables Part 2 Indoor cables Sectional specification First	February, 2024	-	Identical under single numbering

	IEC 60794-2: 2017 Reviewed In : 2024 IEC 60794-2: 2017	Revision			
49	IS/IEC 60794-3-10) : 2015 IEC 60794-3-10: 2015 IEC 60794-3-10: 2015	Optical Fibre Cables Part 3 Outdoor cables Section 10 Family specification for duct directly buried or lashed aerial optical telecommunication cables		-	Identical under single numbering
50	IS/IEC 60794-3-11) : 2010 IEC 60794-3-11: 2010 IEC 60794-3-11: 2010	Optical Fibre Cables Part 3 Outdoor cables Section 11 Product specification for duct directly buried and lashed Aerial single-mode optical fibre telecommunication cables		-	Identical under single numbering
51	IS/IEC 60794-3-21) : 2015 IS/IEC 60794-3-21:2 IS/IEC 60794-3-21:2	OPTICAL FIBRE CABLES PART 3 OUTDOOR CABLES SECTION 21 PRODUCT SPECIFICATION FOR OPTICAL SELF-SUPPORTING AERIAL TELECOMMUNICATION CABLES FOR USE IN PREMISES CABLING		-	Identical under single numbering
52	IS/IEC 60794-3-30 : 2018 IEC 60794-3-30 : 2008 Reviewed In : 2021 IEC 60794-3-30 : 2008	Optical Fibre Cables Part 3 Outdoor Cables Section 30 Family specification for optical telecommunication cables for lakes, river crossings and coastal applications	May, 2021	-	Identical under dual numbering
53	IS/IEC 60794-4-20) : 2018 IEC 60794-4-20: 2018 IEC 60794-4-20: 2018	Optical Fibre Cables Part 4 Sectional specification Section 20 Aerial optical cables along electrical power lines Family specification for ADSS all dielectric self-supported optical cables		-	Identical under single numbering
54	IS/IEC 60874-1 : 2011 IEC 60874-1 : 2011 Reviewed In : 2021 IEC 60874-1 : 2011	Fibre Optic Interconnecting Devices and Passive Components "FC" Connectors for Optical Fibres and Cables Part 1 Generic Specification	August, 2021	-	Identical under dual numbering
55	IS/IEC 60875-1 : 2015 IEC 60875-1 : 2015 Reviewed In : 2021 IEC 60875-1 :2015	Fibre optic interconnecting devices and passive components - Non - Wavelength - Selective fibre optic branching devices: Part 1 generic specification	August, 2021	-	Identical under single numbering
56	IS/IEC 60876-1 : 2014 Reviewed In : 2021 IEC 60876-1: 2014	Fibre optic interconnecting devices and passive components - Fibre optic spatial switches: Part 1 generic specification (First Revision)	September, 2021	-	Identical under single numbering
57	IS/IEC 61744 : 2005 IEC 61744: 2005 IEC 61744: 2005	CALIBRATION OF FIBRE OPTIC CHROMATIC DISPERSION TEST SETS		-	Identical under single numbering
58	IS/IEC 61746 : 2005 Reviewed In : 2021 IEC 61746 : 2010	CALIBRATION OF OPTICAL TIME-DOMAIN REFLECTOMETERS(OTDR)	April, 2021	-	Identical under single numbering
59	IS/IEC 61746-2 :	Calibration of optical time-domain	April, 2021	-	Identical under single

	2010 IEC 61746 : 2010 Reviewed In : 2021 IEC 61746-2: 2010	reflectometers (OTDR) Part 2 OTDR for multimode fibres			numbering
60	IS/IEC 61757 : 2018 IEC 61757 : 2018 Reviewed In : 2023 IEC 61757: 2018	Fibre Optic Sensors - Generic Specification	July, 2023	-	Identical under single numbering
61	IS/IEC/TR 62283 : 2010 IEC 62283 : 2010 Reviewed In : 2021 IEC 62283 : 2010	Optical Fibres " Guidance for Nuclear Radiation Test	October, 2021	-	Identical under single numbering
62	IS/IEC 62538 : 2008 IEC 62538 : 2008 Reviewed In : 2021 IEC 62538 : 2008	Categorization of Optical Devices	June, 2021	-	Identical under single numbering
63	IS/IEC/TR 62572-2 : 2008 IEC/TR 62572-2 : 2008 Reviewed In : 2021 IEC/TR 62572-2 : 2008	Fibre Optic Active Components and Devices - Reliability Standards Part 2 Laser Module Degradation	June, 2021	-	Identical under single numbering

### Standards under Development

#### Projects Approved

SI. No.	Doc No.	Title
1	LITD 11 (23459)	Optical fibres Part 2-50 Product specifications Sectional specification for class B singlemode fibres

#### Preliminary Draft Standards

SI. No.	Doc No.	Title
<i>No Records Found</i>		

#### Drafts Standards in WC Stage

SI. No.	Doc No.	Title
<i>No Records Found</i>		

#### Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	LITD 11 (23466)	Safety of laser products Part 2 Safety of optical fibre communication systems OFCSs Superseding IS 14624 Part 2 2012
2	LITD 11 (23467)	Optical fibres Part 1-1 Measurement methods and test procedures General and guidance
3	LITD 11 (23468)	Optical Fibre Cables Part 1 Generic Specification Section 1 General Second Revision
4	LITD 11 (23469)	Optical Fibre Cables Part 1 Generic Specification Section 2 Basic optical cable test procedures General guidance First Revision
5	LITD 11 (23480)	Optical Fibre Cables Part 2 Indoor Optical Fibre Cables Section 10 Family specification for simplex and duplex cables First Revision

#### Finalized Draft Indian Standard

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SI. No.	Doc No.	Title
<i>No Records Found</i>		

<b>Finalized Draft Indian Standards under Print</b>		
SI. No.	Doc No.	Title
<i>No Records Found</i>		

**Total Published Standards:63 Total Standards Under development:6**

### Aspect Wise Report

Product : 21  
 Code of Practices : 8  
 Methods of Test : 31  
 Terminology : 2  
 Dimensions : 1  
 System Standard : 0  
 Safety Standard : 0  
 Others : 0  
 Service Specification : 0  
 Process Specification : 0  
 Unclassified : 0

### Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 13616 (Part 2) : 2001 IEC Reviewed In : 2016	Fibre Optic Branching Devices Part 2 Sectional Specification - Non-Wavelength Selective Branching Devices
2	IS 13715 (Part 1) : 1993 Reviewed In : 2013	Fibre optic switches Part 1 Generic specification
3	IS 13882 (Part 1) : 1993 IEC 794 Reviewed In : 2016 IEC 794 Part 1 : 1993	Optical fibre cables Part 1 Generic specification
4	IS 13882 (Part 1/Sec 1) : 2001 IEC Reviewed In : 2016 IEC 60794-1-1 :1999	Optical Fibre Cables - Part 1 General Specification - Section 1 General
5	IS 14755 : 1999	Recommended Practice for Information Technology Year 2000 Test Method
6	IS 15056 (Part 1/Sec 1) : 2002 IEC Reviewed In : 2019 IEC 60793-1-1 (1995)	Optical Fibres - Part 1 General Specification - Sec 1 General
7	IS 1885 (Part 83) : 1999	Electrotechnical Vocabulary - Part 83 Year 2000
8	IS/QC 210700 : 1998 Reviewed In : 2016 IECQC 210700	Connectors for Optical Fibres and Cables - Part 7 Sectional Fibre Optic Connector - Type FC
9	IS/IEC 61757-1 : 1998 Reviewed In : 2018 IEC 61757-1: 1998	Fibre optic sensors Part 1 generic specification
10	IS/QC 810000 : 1994 Reviewed In : 2016 IECQC	Fibre Optic Branching Devices Generic Specification



**Annexure-II :List of Indian Product Standards**

Sl. No.	IS No. & Year	Title
1	IS 15077 (Part 1) : 2019 IEC 62007 - 1 : 2015 Reviewed In : 2022 IEC 62007 : 2015	Semiconductor Optoelectronic Devices for Fibre Optic System Applications Part 1 Specification Template for Essential Ratings and Characteristics Second Revision
2	IS 15480 : 2021 IEC 60869-1: 2012 Reviewed In : 2024 60603-5	FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS FIBRE OPTIC PASSIVE POWER CONTROL DEVICES PART 1 GENERIC SPECIFICATION FIRST REVISION
3	IS 16438 : 2021 IEC 61753-1: 2020 Reviewed In : 2024 IEC TS 60870-5-7:2013	Fibre optic interconnecting devices and passive components Performance standard Part 1 General and guidance First Revision
4	IS 16625 (Part 1) : 2018 IEC 62496-1 : 2008 Reviewed In : 2021 IEC 62496-1 : 2008	Optical Circuit Boards Part 1 General
5	IS 16939 : 2018  Reviewed In : 2021	Optical Fibre Cables for Inside Premises FTTx Application
6	IS 17046 : 2018  Reviewed In : 2021	Fibre Optic Cable for Cable TV Application
7	IS/IEC 60793-2-60 : 2008 Reviewed In : 2021 IEC 60793-2-60: 2008	Optical fibres Part 2 product specifications Sec 60 Secal specification for category c single - Mode intraconnection fibres
8	IS/IEC 60794-1-2 : 2017 IEC 60794-1-2: 2017 ISO 8254-1:2009	Optical fibre cables Part 1 Generic specification Section 2 Basic optical cable test procedures General guidance First Revision
9	IS/IEC 60794-1-1 : 2015 IEC 60794 -1-1 : 2015 Reviewed In : 2021 60794-1-1: 2015	Optical Fibre Cables Part 1 Generic Specification Section 1 General First Revision
10	IS/IEC 60794-2-10 : 2011 IEC 60794-2-10 : 2011 Reviewed In : 2021 IEC 60794-2-Sec 10 : 2011	Optical Fibre Cables Part 2 Indoor Optical Fibre Cables Section 10 Family specification for simplex and duplex cables
11	IS/IEC 60794-2-11 : 2020 IEC 60794-2-11: 2020 Reviewed In : 2024 ISO 18611-2:2014	Optical fibre cables Part 2 Indoor cables Section 11 Detailed specification for simplex and duplex cables for use in premises cabling First Revision
12	IS/IEC 60794-2 : 2017 IEC 60794-2: 2017 Reviewed In : 2024 ISO 17881-1:2016	Optical fibre cables Part 2 Indoor cables Sectional specification First Revision
13	IS/IEC 60794-3-10) : 2015 IEC 60794-3-10: 2015 ISO 22398: 2013	Optical Fibre Cables Part 3 Outdoor cables Section 10 Family specification for duct directly buried or lashed aerial optical telecommunication cables
14	IS/IEC 60794-3-11) : 2010 IEC 60794-3-11: 2010 ISO 12567-1: 2010	Optical Fibre Cables Part 3 Outdoor cables Section 11 Product specification for duct directly buried and lashed Aerial single-mode optical fibre telecommunication cables
15	IS/IEC 60794-3-21) : 2015 IS/IEC 60794-3-21:2 ISO 22095: 2020	OPTICAL FIBRE CABLES PART 3 OUTDOOR CABLES SECTION 21 PRODUCT SPECIFICATION FOR OPTICAL SELF-SUPPORTING AERIAL TELECOMMUNICATION CABLES FOR USE IN PREMISES CABLING
16	IS/IEC 60794-3-30 : 2018 IEC 60794-3-30 : 2008	Optical Fibre Cables Part 3 Outdoor Cables Section 30 Family specification for optical telecommunication cables for lakes river crossings and coastal applications

	Reviewed In : 2021 IEC 60794-3-30 : 2008	
17	IS/IEC 60794-4-20) : 2018 IEC 60794-4-20: 2018 ISO 10993-1:2018	Optical Fibre Cables Part 4 Sectional specification Section 20 Aerial optical cables along electrical power lines Family specification for ADSS all dielectric self-supported optical cables
18	IS/IEC 60874-1 : 2011 IEC 60874-1 : 2011 Reviewed In : 2021 IEC 60874-1 : 2011	Fibre Optic Interconnecting Devices and Passive Components Connectors for Optical Fibres and Cables Part 1 Generic Specification
19	IS/IEC 60875-1 : 2015 IEC 60875-1 : 2015 Reviewed In : 2021 IEC 60875-1 :2015	Fibre optic interconnecting devices and pass4e components - Non - Wavelength - Select4e fibre optic branching devices Part 1 generic specification
20	IS/IEC 60876-1 : 2014  Reviewed In : 2021 IEC 60876-1: 2014	Fibre optic interconnecting devices and pass4e components - Fibre optic spatial switches Part 1 generic specification First Revision
21	IS/IEC 61757 : 2018 IEC 61757 : 2018 Reviewed In : 2023 IEC 61757: 2018	Fibre Optic Sensors - Generic Specification