

## 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) :<br>2012<br>IEC<br><i>Reviewed In : 2021<br/>IEC 60825-2:2005</i>                  | Safety of laser products: Part 2<br>safety of optical fibre<br>communication systems (OFCS)<br>(First Revision)   | December, 2021  | -           | Identical under dual<br>numbering |
| 2    | IS 14976 : 2012<br>IEC<br><i>Reviewed In : 2021<br/>IEC 61315: 2005</i>                               | Calibration of fibre - Optic power<br>meters (First Revision)   | December, 2021  | -           | Identical under dual<br>numbering |
| 3    | IS 15077 (Part 1) :<br>2019<br>IEC 62007 - 1 : 2015<br><i>Reviewed In : 2022<br/>IEC 62007 : 2015</i> | Semiconductor Optoelectronic<br>Devices for Fibre Optic System<br>Applications Part 1 Specification<br>Template for Essential Ratings and<br>Characteristics ( Second Revision<br>) | July, 2022      | -           | Identical under dual<br>numbering |
| 4    | IS 15077 (Part 2) :<br>2012<br>IEC<br><i>Reviewed In : 2021<br/>IEC 62007-2: 2009</i>                 | Semiconductor optoelectronic<br>devices for fibre optic system<br>applications: Part 2 measuring<br>methods (First Revision)  | September, 2021 | -           | Identical under dual<br>numbering |
| 5    | IS 15480 : 2021<br>IEC 60869-1: 2012<br><i>Reviewed In : 2024<br/>IEC 60869-1: 2018</i>               | FIBRE OPTIC<br>INTERCONNECTING DEVICES<br>AND PASSIVE COMPONENTS<br>FIBRE OPTIC PASSIVE POWER<br>CONTROL DEVICES PART 1:<br>GENERIC SPECIFICATION<br>FIRST REVISION                 | February, 2024  | -           | Identical under dual<br>numbering |
| 6    | IS 16180 (Part 1) :<br>2014<br>IEC<br><i>Reviewed In : 2023<br/>IEC 61754-1: 2013</i>                 | Fibre optic interconnecting devices<br>and passive components - Fibre<br>optic connector interfaces: Part 1<br>general and guidance   | November, 2023  | -           | Identical under dual<br>numbering |
| 7    | IS 16180 (Part 13) :<br>2018<br>IEC 61754-13 :  | Fibre optic connector interfaces:<br>Part 13 type fc - Pc connector   | November, 2021  | -           | Identical under dual<br>numbering |

|    |  |   |                 |   |                                  |
|----|--|---|-----------------|---|----------------------------------|
|    | 2006<br>Reviewed In : 2021<br>IEC 61754-13: 2006   |   |                 |   |                                  |
| 8  | IS 16282 : 2014<br>IEC 61930 : 1998<br>Reviewed In : 2023<br>IEC 61930 : 1998                            | Fibre Optic Graphical Symbology   | September, 2023 | - | Identical under dual numbering   |
| 9  | IS 16283 : 2014<br>IEC 61931 : 1998<br>Reviewed In : 2023<br>IEC 61931 : 1998                            | Fibre Optic Terminology   | November, 2023  | - | Identical under dual numbering   |
| 10 | IS 16285 : 2020<br>IEC 61745 : 2017<br>Reviewed In : 2023<br>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<br>IEC 61753-1: 2020<br>Reviewed In : 2024<br>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/Section 1) : 2019<br>IEC 61753-2-1 : 2000<br>Reviewed In : 2019<br>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<br>IEC 62614 : 2010<br>Reviewed In : 2021<br>IEC 62614 : 2010                            | Fibre Optics "Launch Condition Requirements for Measuring Multimode Attenuation   | October, 2021   | - | Identical under dual numbering   |
| 14 | IS 16625 (Part 1) : 2018<br>IEC 62496-1 : 2008<br>Reviewed In : 2021<br>IEC 62496-1 : 2008               | Optical Circuit Boards Part 1 General   | November, 2021  | - | Identical under dual numbering   |
| 15 | IS 16939 : 2018<br>Reviewed In : 2021  | Optical Fibre Cables for Inside Premises ( FTTx ) Application   | June, 2021      | - | Indigenous                       |
| 16 | IS 17046 : 2018<br>Reviewed In : 2021  | Fibre Optic Cable for Cable TV Application  | October, 2021   | - | Indigenous                       |
| 17 | IS/QC 210000 : 1994<br>Reviewed In : 2016<br>IECQC 210000  | Connectors for Optical Fibres and Cables Generic Specification  | February, 2016  | - | Identical under single numbering |
| 18 | IS/IEC 60793-1-1 : 2017<br>IEC 60793-1-1 : 2017<br>Reviewed In : 2022<br>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<br>IEC 60793-1-20 : 2014<br>Reviewed In : 2022<br>IEC 60793-1-20:               | Optical fibres: Part 1 measurement methods and test procedures: Sec 20 fibre geometry (First Revision)  | September, 2022 | - | Identical under single numbering |

|    |  |   |                |   |                                  |
|----|--|---|----------------|---|----------------------------------|
|    | 2014   |   |                |   |                                  |
| 20 | IS/IEC 60793-1-21 :<br>2001<br>Reviewed In : 2021<br>IEC 60793-1-21:<br>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 :<br>2001<br>Reviewed In : 2021<br>IEC 60793-1-22:<br>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 :<br>2010<br>IEC<br>Reviewed In : 2022<br>IEC 60793-1-30:<br>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 :<br>2010<br>IEC<br>Reviewed In : 2022<br>IEC 60793-1-31:<br>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 :<br>2010<br>IEC<br>Reviewed In : 2022<br>IEC 60793-1-32:<br>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 :<br>2017<br>IEC 60793-1-33 :<br>2017<br>Reviewed In : 2022<br>IEC 60793-1-33:<br>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 :<br>2006<br>Reviewed In : 2022<br>IEC 60793-1-34:<br>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 :<br>2001<br>Reviewed In : 2019<br>IEC 60793-1-40:<br>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 :<br>2010<br>Reviewed In : 2022<br>IEC 60793-1-41:<br>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 :<br>2013<br>IEC 60793-1-42 :<br>2013<br>Reviewed In : 2022<br>IEC<br>60793-1-42:2013  | Error   | April, 2022    | - | Identical under single numbering |
| 30 | IS/IEC 60793-1-43 :  | Optical fibres: Part 1 measurement  | January, 2022  | - | Identical under single           |

|    |  |   |                |   |                                     |
|----|--|---|----------------|---|-------------------------------------|
|    | 2015<br>IEC 60793-1-43 :<br>2015<br>Reviewed In : 2022<br>IEC<br>60793-1-43:2015                         | methods and test procedures: Sec<br>43 numerical aperture<br>measurement (First Revision)   |                |   | numbering                           |
| 31 | IS/IEC 60793-1-44 :<br>2011<br>IEC<br>Reviewed In : 2022<br>IEC 60793-1-44:<br>2011                      | Optical fibres: Part 1 measurement<br>methods and test procedures: Sec<br>44 cut - Off wavelength                                 | July, 2022     | - | Identical under single<br>numbering |
| 32 | IS/IEC 60793-1-45 :<br>2017<br>IEC 60793-1-45 :<br>2017<br>Reviewed In : 2023<br>IEC 60793-1-45:<br>2017 | Optical Fibres Part 1 Measurement<br>Methods and Test Procedures<br>Section 45 Mode field diameter (<br>First Revision )          | February, 2023 | - | Identical under single<br>numbering |
| 33 | IS/IEC 60793-1-46 :<br>2001<br>Reviewed In : 2022<br>IEC<br>60793-1-46:2001                              | Optical fibres: Part 1 measurement<br>methods and test procedures: Sec<br>46 monitoring of changes in optical<br>transmittance    | April, 2022    | - | Identical under single<br>numbering |
| 34 | IS/IEC 60793-1-47 :<br>2017<br>IEC 60793-1-47 :<br>2017<br>Reviewed In : 2022<br>IEC 60793-1-47:<br>2017 | Optical Fibres Part 1 Measurement<br>Methods and Test Procedures<br>Section 47 Macrobending loss (<br>First Revision )            | December, 2022 | - | Identical under single<br>numbering |
| 35 | IS/IEC 60793-1-48 :<br>2017<br>IEC 60793-1-48 :<br>2017<br>Reviewed In : 2022<br>IEC 60793-1-48:<br>2017 | Optical Fibres Part 1 Measurement<br>Methods and Test Procedures<br>Section 48 Polarization mode<br>Dispersion ( First Revision ) | December, 2022 | - | Identical under single<br>numbering |
| 36 | IS/IEC 60793-1-49 :<br>2006<br>Reviewed In : 2019<br>IEC 60793-1-49:<br>2006                             | Optical fibres: Part 1 measurement<br>methods and test procedures: Sec<br>49 differential mode delay                              | April, 2019    | - | Identical under single<br>numbering |
| 37 | IS/IEC 60793-1-50 :<br>2014<br>IEC 60793-1-50 :<br>2014<br>Reviewed In : 2022<br>IEC<br>60793-1-50:2014  | Optical Fibres Part 1 Measurement<br>Methods and Test Procedures<br>Section 50 Damp heat (steady<br>state) tests                  | July, 2022     | - | Identical under single<br>numbering |
| 38 | IS/IEC 60793-1-51 :<br>2014<br>IEC 60793-1-51 :<br>2014<br>Reviewed In : 2021<br>IEC 60793-1-51<br>:2014 | Optical fibres: Part 1 measurement<br>methods and test procedures: Sec<br>51 dry heat (Steady State) tests<br>(First Revision)    | June, 2021     | - | Identical under single<br>numbering |
| 39 | IS/IEC 60793-1-52 :<br>2014  | Optical fibres: Part 1 measurement<br>methods and test procedures: Sec  | June, 2021     | - | Identical under single<br>numbering |

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

|    |  |  |                 |   |                                  |
|----|--|--|-----------------|---|----------------------------------|
|    | IEC 60794-2: 2017  |  |                 |   |                                  |
| 49 | IS/IEC 60794-3-10) : 2015<br>IEC 60794-3-10: 2015<br>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<br>IEC 60794-3-11: 2010<br>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<br>IS/IEC 60794-3-21:2<br>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<br>IEC 60794-3-30 : 2008<br>Reviewed In : 2021<br>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<br>IEC 60794-4-20: 2018<br>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<br>IEC 60874-1 : 2011<br>Reviewed In : 2021<br>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<br>IEC 60875-1 : 2015<br>Reviewed In : 2021<br>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<br>Reviewed In : 2021<br>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<br>IEC 61744: 2005<br>IEC 61744: 2005  | CALIBRATION OF FIBRE OPTIC CHROMATIC DISPERSION TEST SETS  |                 | - | Identical under single numbering |
| 58 | IS/IEC 61746 : 2005<br>Reviewed In : 2021<br>IEC 61746 : 2010                                    | CALIBRATION OF OPTICAL TIME-DOMAIN REFLECTOMETERS(OTDR)  | April, 2021     | - | Identical under single numbering |
| 59 | IS/IEC 61746-2 : 2010<br>IEC 61746 : 2010  | Calibration of optical time-domain reflectometers (OTDR) Part 2 OTDR for multimode fibres  | April, 2021     | - | Identical under single numbering |

|    |  |   |               |   |                                  |
|----|--|---|---------------|---|----------------------------------|
|    | Reviewed In : 2021<br>IEC 61746-2: 2010  |   |               |   |                                  |
| 60 | IS/IEC 61757 : 2018<br>IEC 61757 : 2018<br>Reviewed In : 2023<br>IEC 61757: 2018                 | Fibre Optic Sensors - Generic Specification   | July, 2023    | - | Identical under single numbering |
| 61 | IS/IEC/TR 62283 : 2010<br>IEC 62283 : 2010<br>Reviewed In : 2021<br>IEC 62283 : 2010             | Optical Fibres " Guidance for Nuclear Radiation Test  | October, 2021 | - | Identical under single numbering |
| 62 | IS/IEC 62538 : 2008<br>IEC 62538 : 2008<br>Reviewed In : 2021<br>IEC 62538 : 2008                | Categorization of Optical Devices   | June, 2021    | - | Identical under single numbering |
| 63 | IS/IEC/TR 62572-2 : 2008<br>IEC/TR 62572-2 : 2008<br>Reviewed In : 2021<br>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

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



## Finalized Draft Indian Standards under Print

| SI. No.          | Doc No. | Title |
|------------------|---------|-------|
| No Records Found |         |       |

**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<br>IEC<br>Reviewed In : 2016                                  | Fibre Optic Branching Devices Part 2 Sectional Specification - Non-Wavelength Selective Branching Devices |
| 2       | IS 13715 (Part 1) : 1993<br>Reviewed In : 2013   | Fibre optic switches Part 1 Generic specification   |
| 3       | IS 13882 (Part 1) : 1993<br>IEC 794<br>Reviewed In : 2016 IEC<br>794 Part 1 : 1993     | Optical fibre cables Part 1 Generic specification   |
| 4       | IS 13882 (Part 1/Sec 1) :<br>2001<br>IEC<br>Reviewed In : 2016 IEC<br>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) :<br>2002<br>IEC<br>Reviewed In : 2019 IEC<br>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<br>Reviewed In : 2016 IECQC<br>210700                              | Connectors for Optical Fibres and Cables - Part 7 Sectional Fibre Optic Connector - Type FC               |
| 9       | IS/IEC 61757-1 : 1998<br>Reviewed In : 2018 IEC<br>61757-1: 1998                       | Fibre optic sensors Part 1 generic specification  |
| 10      | IS/QC 810000 : 1994<br>Reviewed In : 2016 IECQC<br>810000                              | Fibre Optic Branching Devices Generic Specification   |

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



| SI. No. | IS No. & Year  | Title  |
|---------|--|--|
| 1       | IS 15077 (Part 1) : 2019<br>IEC 62007 - 1 : 2015<br>Reviewed In : 2022 IEC<br>62007 : 2015           | Semiconductor Optoelectronic Devices for Fibre Optic System Applications Part 1 Specification<br>Template for Essential Ratings and Characteristics Second Revision          |
| 2       | IS 15480 : 2021<br>IEC 60869-1: 2012<br>Reviewed In : 2024 60603-5                                   | FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS FIBRE OPTIC<br>PASSIVE POWER CONTROL DEVICES PART 1 GENERIC SPECIFICATION FIRST<br>REVISION                       |
| 3       | IS 16438 : 2021<br>IEC 61753-1: 2020<br>Reviewed In : 2024 IEC TS<br>60870-5-7:2013                  | Fibre optic interconnecting devices and passive components Performance standard Part 1 General<br>and guidance First Revision  |
| 4       | IS 16625 (Part 1) : 2018<br>IEC 62496-1 : 2008<br>Reviewed In : 2021 IEC<br>62496-1 : 2008           | Optical Circuit Boards Part 1 General  |
| 5       | IS 16939 : 2018<br>Reviewed In : 2021  | Optical Fibre Cables for Inside Premises FTTx Application  |
| 6       | IS 17046 : 2018<br>Reviewed In : 2021  | Fibre Optic Cable for Cable TV Application   |
| 7       | IS/IEC 60793-2-60 : 2008<br>Reviewed In : 2021 IEC<br>60793-2-60: 2008                               | Optical fibres Part 2 product specifications Sec 60 Secal specification for category c single - Mode<br>intraconnection fibres   |
| 8       | IS/IEC 60794-1-2 : 2017<br>IEC 60794-1-2: 2017<br>ISO 8254-1:2009                                    | Optical fibre cables Part 1 Generic specification Section 2 Basic optical cable test procedures<br>General guidance First Revision   |
| 9       | IS/IEC 60794-1-1 : 2015<br>IEC 60794 -1-1 : 2015<br>Reviewed In :<br>2021 60794-1-1: 2015            | Optical Fibre Cables Part 1 Generic Specification Section 1 General First Revision   |
| 10      | IS/IEC 60794-2-10 : 2011<br>IEC 60794-2-10 : 2011<br>Reviewed In : 2021 IEC<br>60794-2-Sec 10 : 2011 | Optical Fibre Cables Part 2 Indoor Optical Fibre Cables Section 10 Family specification for<br>simplex and duplex cables   |
| 11      | IS/IEC 60794-2-11 : 2020<br>IEC 60794-2-11: 2020<br>Reviewed In : 2024 ISO<br>18611-2:2014           | Optical fibre cables Part 2 Indoor cables Section 11 Detailed specification for simplex and duplex<br>cables for use in premises cabling First Revision                      |
| 12      | IS/IEC 60794-2 : 2017<br>IEC 60794-2: 2017<br>Reviewed In : 2024 ISO<br>17881-1:2016                 | Optical fibre cables Part 2 Indoor cables Sectional specification First Revision   |
| 13      | IS/IEC 60794-3-10) : 2015<br>IEC 60794-3-10: 2015<br>ISO 22398: 2013                                 | Optical Fibre Cables Part 3 Outdoor cables Section 10 Family specification for duct directly<br>buried or lashed aerial optical telecommunication cables                     |
| 14      | IS/IEC 60794-3-11) : 2010<br>IEC 60794-3-11: 2010<br>ISO 12567-1: 2010                               | Optical Fibre Cables Part 3 Outdoor cables Section 11 Product specification for duct directly<br>buried and lashed Aerial single-mode optical fibre telecommunication cables |
| 15      | IS/IEC 60794-3-21) : 2015<br>IS/IEC 60794-3-21:2<br>ISO 22095: 2020                                  | OPTICAL FIBRE CABLES PART 3 OUTDOOR CABLES SECTION 21 PRODUCT<br>SPECIFICATION FOR OPTICAL SELF-SUPPORTING AERIAL TELECOMMUNICATION<br>CABLES FOR USE IN PREMISES CABLING    |
| 16      | IS/IEC 60794-3-30 : 2018<br>IEC 60794-3-30 : 2008<br>Reviewed In : 2021 IEC<br>60794-3-30 : 2008     | Optical Fibre Cables Part 3 Outdoor Cables Section 30 Family specification for optical<br>telecommunication cables for lakes river crossings and coastal applications        |
| 17      | IS/IEC 60794-4-20) : 2018  | Optical Fibre Cables Part 4 Sectional specification Section 20 Aerial optical cables along electrical  |

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|    | IEC 60794-4-20: 2018<br>ISO 10993-1:2018  | power lines Family specification for ADSS all dielectric self-supported optical cables   |
| 18 | IS/IEC 60874-1 : 2011<br>IEC 60874-1 : 2011<br>Reviewed In : 2021 IEC<br>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<br>IEC 60875-1 : 2015<br>Reviewed In : 2021 IEC<br>60875-1 :2015  | Fibre optic interconnecting devices and passive components - Non - Wavelength - Selective fibre optic branching devices Part 1 generic specification |
| 20 | IS/IEC 60876-1 : 2014<br><br>Reviewed In : 2021 IEC<br>60876-1: 2014                    | Fibre optic interconnecting devices and passive components - Fibre optic spatial switches Part 1 generic specification First Revision                |
| 21 | IS/IEC 61757 : 2018<br>IEC 61757 : 2018<br>Reviewed In : 2023 IEC<br>61757: 2018        | Fibre Optic Sensors - Generic Specification  |