



Certificate No: OFC/472  
Date of issue: 31.12.2018  
Date of Expiry: 30.12.2021

**BHARAT SANCHAR NIGAM LTD.**  
(A Govt. of India Enterprise)  
**Component Approval Centre Telecommunications (CACT),**  
**Telecom Quality Assurance Circle**  
**CACT Complex, Doorvaninagar, Bangalore - 560 016.**  
**(NABL ACCREDITED LABORATORY -Certificate No. TC-6698)**

**SOURCE APPROVAL CERTIFICATE**

- I i) Name of the raw material : Optical Fibre Jumper (Patch cords & pigtails)  
**Type-I (FC-PC)**
- ii) Name and address of the manufacturer : M/s Shriram Telelink  
B-14/7, Jhilmil Industrial Area, G.T. Road,  
Delhi-110095, India.
- iii) Offered by : Manufacturer
- iv) Conforming to Specification : TEC/ GR/TX/OFJ-01/05/Nov-09. with Errata No.1  
dtd 07.05.2013  
**Type : Type-I (FC-PC)**
- v) Test report particulars : GMQA/ND/SRTL/18-19/02 dated 24.12.2018
- vi) **Valid up to** : **30.12.2021**
- vii) IA Reference : GMQA/ND/SRTL/18-19/02 dated 24.12.2018
- viii) Remarks : Source Approval

II **RAW MATERIALS DETAIL**

Sr. No	Name of Raw Material	Name of Supplier
1	Simplex cable 2.90mm	CACT approved source
2	Connectors Body	M/s Shenzhen KOC Communication Co., Ltd. China
3	Zirconium ferrule	M/s Shenzhen KOC Communication Co., Ltd. China

- III The item/raw-material(s) mentioned above I(i) is/are hereby source approved subject to the conditions indicated overleaf.
- IV It is responsibility of the equipment manufacturer to ascertain that this component / raw material is suitable for use in their equipment/product against the relevant specification.

31.12.2018  
(CHITRA.A)  
**Divisional Engineer (OFC)**  
**CACT, BANGALORE - 560 016**

**Copy to:**

1. M/s Shriram Telelink, B-14/7, Jhilmil Industrial Area, G.T. Road, Delhi-110095, India.
2. The CGM QA & Inspection Circle, Jabalpur: for kind information
3. The PGM (North), QA & Inspection Circle, New Delhi: for kind information
4. File: CACT/FL/OFC/OF JUMPERS/SHRIRAM TELELINK/VOL-I
5. SDE (TECH II)/SDE (Approvals)
6. SAC Guard File

P.T.O.



## **TERMS AND CONDITIONS**

1. If there is any change in design / drawing, raw material used, process, addition / alteration of test facilities, methods, location of manufacturing premises or any other related matters, this approval automatically becomes invalid, unless such a change is specifically got approved from CACT. Also indigenisation of imported parts / raw materials calls for CACT approval.
2. Traceability shall be maintained right through the raw material procurement, IGI, Production, Testing and Dispatch.
3. As a normal procedure, specified number of samples / quantity of samples of the items / raw-material approved are to be made over to CACT, to be retained by them for future reference. These samples are non-returnable.
4. During the currency of SAC, CACT / BSNL QA reserve the right to carry out the surveillance and supervisory checks periodically without prior notice. Samples can be picked up either from component/raw-material users or the component manufacturers or from the field units of BSNL and subjected to selected or complete tests. If degradation is noticed the approval could be reviewed and even could be withdrawn. Approval can also be withdrawn in case of feed back complaints received from organizations such as LCSO, BIS, BEL, and ITI etc.
5. Proper quality system shall be maintained in the manufacturing and qualimetric data shall be generated at all stages of manufacturing and testing. The data generated shall be reviewed periodically and trend analysis is made. Half yearly review reports may be submitted to CACT. CACT reserves the right to audit the manufacturing facility as well as the quality system followed, at any point of time as may felt necessary.
6. Feed back complaint shall be promptly analysed and corrective and preventive actions shall be taken. Copy of the feed back report shall be marked to CACT on half yearly basis during the validity of SAC
7. In case of any dispute at any stage during the validity of this approval the decision of the approval authority (CACT) shall be final and binding on the manufacturer.
8. If the renewal of the SAC is needed, the manufacturer has to take up the case with CACT at least 90 days prior to the expiry of the SAC.





Certificate No: OFC/473  
Date of issue: 31.12.2018  
Date of Expiry: 30.12.2021

**BHARAT SANCHAR NIGAM LTD.**  
(A Govt. of India Enterprise)  
**Component Approval Centre Telecommunications (CACT),**  
**Telecom Quality Assurance Circle**  
**CACT Complex, Doorvaninagar, Bangalore - 560 016.**  
**(NABL ACCREDITED LABORATORY -Certificate No. TC-6698)**

**SOURCE APPROVAL CERTIFICATE**

- I
- i) Name of the raw material : Optical Fibre Jumper (Patch cords & pigtails)  
**Type-II (SC-PC)**
- ii) Name and address of the manufacturer : M/s Shriram Telelink  
B-14/7, Jhilmil Industrial Area, G.T. Road,  
Delhi-110095, India.
- iii) Offered by : Manufacturer
- iv) Conforming to Specification : TEC/ GR/TX/OFJ-01/05/Nov-09. with Errata No.1  
dtd 07.05.2013  
**Type : Type-II (SC-PC)**
- v) Test report particulars : GMQA/ND/SRTL/18-19/02 dated 24.12.2018
- vi) **Valid up to** : **30.12.2021**
- vii) IA Reference : GMQA/ND/SRTL/18-19/02 dated 24.12.2018
- viii) Remarks : Source Approval

II

**RAW MATERIALS DETAIL**

Sr. No	Name of Raw Material	Name of Supplier
1	Simplex cable 2.90mm	CACT approved source
2	Connectors Body	M/s Shenzhen KOC Communication Co., Ltd. China
3	Zirconium ferrule	M/s Shenzhen KOC Communication Co., Ltd. China

- III The item/raw-material(s) mentioned above I(i) is/are hereby source approved subject to the conditions indicated overleaf.
- IV It is responsibility of the equipment manufacturer to ascertain that this component / raw material is suitable for use in their equipment/product against the relevant specification.

31.12.2018  
(CHITRA.A)

**Divisional Engineer (OFC)**  
**CACT, BANGALORE - 560 016**

**Copy to:**

1. M/s Shriram Telelink, B-14/7, Jhilmil Industrial Area, G.T. Road, Delhi-110095, India.
2. The CGM QA & Inspection Circle, Jabalpur: for kind information
3. The PGM (North), QA & Inspection Circle, New Delhi: for kind information
4. File: CACT/FL/OFC/OF JUMPERS/SHRIRAM TELELINK/VOL-I
5. SDE (TECH II)/SDE (Approvals)
6. SAC Guard File

P.T.O.



## **TERMS AND CONDITIONS**

1. If there is any change in design / drawing, raw material used, process, addition / alteration of test facilities, methods, location of manufacturing premises or any other related matters, this approval automatically becomes invalid, unless such a change is specifically got approved from CACT. Also indigenisation of imported parts / raw materials calls for CACT approval.
2. Traceability shall be maintained right through the raw material procurement, IGI, Production, Testing and Dispatch.
3. As a normal procedure, specified number of samples / quantity of samples of the items / raw-material approved are to be made over to CACT, to be retained by them for future reference. These samples are non-returnable.
4. During the currency of SAC, CACT / BSNL QA reserve the right to carry out the surveillance and supervisory checks periodically without prior notice. Samples can be picked up either from component/raw-material users or the component manufacturers or from the field units of BSNL and subjected to selected or complete tests. If degradation is noticed the approval could be reviewed and even could be withdrawn. Approval can also be withdrawn in case of feed back complaints received from organizations such as LCSO, BIS, BEL, and ITI etc.
5. Proper quality system shall be maintained in the manufacturing and qualimetric data shall be generated at all stages of manufacturing and testing. The data generated shall be reviewed periodically and trend analysis is made. Half yearly review reports may be submitted to CACT. CACT reserves the right to audit the manufacturing facility as well as the quality system followed, at any point of time as may felt necessary.
6. Feed back complaint shall be promptly analysed and corrective and preventive actions shall be taken. Copy of the feed back report shall be marked to CACT on half yearly basis during the validity of SAC
7. In case of any dispute at any stage during the validity of this approval the decision of the approval authority (CACT) shall be final and binding on the manufacturer.
8. If the renewal of the SAC is needed, the manufacturer has to take up the case with CACT at least 90 days prior to the expiry of the SAC.





Certificate No: OFC/474  
Date of issue: 31.12.2018  
Date of Expiry: 30.12.2021

**BHARAT SANCHAR NIGAM LTD.**  
(A Govt. of India Enterprise)  
**Component Approval Centre Telecommunications (CACT),**  
**Telecom Quality Assurance Circle**  
**CACT Complex, Doorvaninagar, Bangalore - 560 016.**  
**(NABL ACCREDITED LABORATORY -Certificate No. TC-6698)**

**SOURCE APPROVAL CERTIFICATE**

- I i) Name of the raw material : Optical Fibre Jumper (Patch cords & pigtails)  
**Type-III (SC-APC)**
- ii) Name and address of the manufacturer : M/s Shriram Telelink  
B-14/7, Jhilmil Industrial Area, G.T. Road,  
Delhi-110095, India.
- iii) Offered by : Manufacturer
- iv) Conforming to Specification : TEC/ GR/TX/OFJ-01/05/Nov-09. with Errata No.1  
dtd 07.05.2013  
**Type : Type-III (SC-APC)**
- v) Test report particulars : GMQA/ND/SRTL/18-19/02 dated 24.12.2018
- vi) **Valid up to** : **30.12.2021**
- vii) IA Reference : GMQA/ND/SRTL/18-19/02 dated 24.12.2018
- viii) Remarks : Source Approval

II **RAW MATERIALS DETAIL**

Sr. No	Name of Raw Material	Name of Supplier
1	Simplex cable 2.90mm	CACT approved source
2	Connectors Body	M/s Shenzhen KOC Communication Co., Ltd. China
3	Zirconium ferrule	M/s Shenzhen KOC Communication Co., Ltd. China

III The item/raw-material(s) mentioned above I(i) is/are hereby source approved subject to the conditions indicated overleaf.

IV It is responsibility of the equipment manufacturer to ascertain that this component / raw material is suitable for use in their equipment/product against the relevant specification.

31.12.2018

**(CHITRA.A)**  
**Divisional Engineer (OFC)**  
**CACT, BANGALORE - 560 016**

**Copy to:**

1. M/s Shriram Telelink, B-14/7, Jhilmil Industrial Area, G.T. Road, Delhi-110095, India.
2. The CGM QA & Inspection Circle, Jabalpur: for kind information
3. The PGM (North), QA & Inspection Circle, New Delhi: for kind information
4. File: CACT/FL/OFC/OF JUMPERS/SHRIRAM TELELINK/VOL-I
5. SDE (TECH II)/SDE (Approvals)
6. SAC Guard File

P.T.O.



## **TERMS AND CONDITIONS**

1. If there is any change in design / drawing, raw material used, process, addition / alteration of test facilities, methods, location of manufacturing premises or any other related matters, this approval automatically becomes invalid, unless such a change is specifically got approved from CACT. Also indigenisation of imported parts / raw materials calls for CACT approval.
2. Traceability shall be maintained right through the raw material procurement, IGI, Production, Testing and Dispatch.
3. As a normal procedure, specified number of samples / quantity of samples of the items / raw-material approved are to be made over to CACT, to be retained by them for future reference. These samples are non-returnable.
4. During the currency of SAC, CACT / BSNL QA reserve the right to carry out the surveillance and supervisory checks periodically without prior notice. Samples can be picked up either from component/raw-material users or the component manufacturers or from the field units of BSNL and subjected to selected or complete tests. If degradation is noticed the approval could be reviewed and even could be withdrawn. Approval can also be withdrawn in case of feed back complaints received from organizations such as LCSO, BIS, BEL, and ITI etc.
5. Proper quality system shall be maintained in the manufacturing and qualimetric data shall be generated at all stages of manufacturing and testing. The data generated shall be reviewed periodically and trend analysis is made. Half yearly review reports may be submitted to CACT. CACT reserves the right to audit the manufacturing facility as well as the quality system followed, at any point of time as may felt necessary.
6. Feed back complaint shall be promptly analysed and corrective and preventive actions shall be taken. Copy of the feed back report shall be marked to CACT on half yearly basis during the validity of SAC
7. In case of any dispute at any stage during the validity of this approval the decision of the approval authority (CACT) shall be final and binding on the manufacturer.
8. If the renewal of the SAC is needed, the manufacturer has to take up the case with CACT at least 90 days prior to the expiry of the SAC.





Certificate No: OFC/475  
Date of issue: 31.12.2018  
Date of Expiry: 30.12.2021

**BHARAT SANCHAR NIGAM LTD.**  
(A Govt. of India Enterprise)  
**Component Approval Centre Telecommunications (CACT),**  
**Telecom Quality Assurance Circle**  
**CACT Complex, Doorvaninagar, Bangalore - 560 016.**  
**(NABL ACCREDITED LABORATORY -Certificate No. TC-6698)**

**SOURCE APPROVAL CERTIFICATE**

- I i) Name of the raw material : Optical Fibre Jumper (Patch cords & pigtails)  
**Type-IV (LC)**
- ii) Name and address of the manufacturer : M/s Shriram Telelink  
B-14/7, Jhilmil Industrial Area, G.T. Road,  
Delhi-110095, India.
- iii) Offered by : Manufacturer
- iv) Conforming to Specification : TEC/ GR/TX/OFJ-01/05/Nov-09. with Errata No.1  
dtd 07.05.2013  
**Type : Type-IV (LC)**
- v) Test report particulars : GMQA/ND/SRTL/18-19/02 dated 24.12.2018
- vi) **Valid up to** : **30.12.2021**
- vii) IA Reference : GMQA/ND/SRTL/18-19/02 dated 24.12.2018
- viii) Remarks : Source Approval

II **RAW MATERIALS DETAIL**

Sr. No	Name of Raw Material	Name of Supplier
1	Simplex cable 2.00mm	CACT approved source
2	Connectors Body	M/s Shenzhen KOC Communication Co., Ltd. China
3	Zirconium ferrule	M/s Shenzhen KOC Communication Co., Ltd. China

III The item/raw-material(s) mentioned above I(i) is/are hereby source approved subject to the conditions indicated overleaf.

IV It is responsibility of the equipment manufacturer to ascertain that this component / raw material is suitable for use in their equipment/product against the relevant specification.

31.12.2018  
(CHITRA.A)

**Divisional Engineer (OFC)**  
**CACT, BANGALORE - 560 016**

**Copy to:**

1. M/s Shriram Telelink, B-14/7, Jhilmil Industrial Area, G.T. Road, Delhi-110095, India.
2. The CGM QA & Inspection Circle, Jabalpur: for kind information
3. The PGM (North), QA & Inspection Circle, New Delhi: for kind information
4. File: CACT/FL/OFC/OF JUMPERS/SHRIRAM TELELINK/VOL-I
5. SDE (TECH II)/SDE (Approvals)
6. SAC Guard File

P.T.O.



## **TERMS AND CONDITIONS**

1. If there is any change in design / drawing, raw material used, process, addition / alteration of test facilities, methods, location of manufacturing premises or any other related matters, this approval automatically becomes invalid, unless such a change is specifically got approved from CACT. Also indigenisation of imported parts / raw materials calls for CACT approval.
2. Traceability shall be maintained right through the raw material procurement, IGI, Production, Testing and Dispatch.
3. As a normal procedure, specified number of samples / quantity of samples of the items / raw-material approved are to be made over to CACT, to be retained by them for future reference. These samples are non-returnable.
4. During the currency of SAC, CACT / BSNL QA reserve the right to carry out the surveillance and supervisory checks periodically without prior notice. Samples can be picked up either from component/raw-material users or the component manufacturers or from the field units of BSNL and subjected to selected or complete tests. If degradation is noticed the approval could be reviewed and even could be withdrawn. Approval can also be withdrawn in case of feed back complaints received from organizations such as LCSO, BIS, BEL, and ITI etc.
5. Proper quality system shall be maintained in the manufacturing and qualimetric data shall be generated at all stages of manufacturing and testing. The data generated shall be reviewed periodically and trend analysis is made. Half yearly review reports may be submitted to CACT. CACT reserves the right to audit the manufacturing facility as well as the quality system followed, at any point of time as may felt necessary.
6. Feed back complaint shall be promptly analysed and corrective and preventive actions shall be taken. Copy of the feed back report shall be marked to CACT on half yearly basis during the validity of SAC
7. In case of any dispute at any stage during the validity of this approval the decision of the approval authority (CACT) shall be final and binding on the manufacturer.
8. If the renewal of the SAC is needed, the manufacturer has to take up the case with CACT at least 90 days prior to the expiry of the SAC.





Certificate No: OFC/476  
Date of issue: 31.12.2018  
Date of Expiry: 30.12.2021

**BHARAT SANCHAR NIGAM LTD.**  
(A Govt. of India Enterprise)  
**Component Approval Centre Telecommunications (CACT),**  
**Telecom Quality Assurance Circle**  
**CACT Complex, Doorvaninagar, Bangalore - 560 016.**  
**(NABL ACCREDITED LABORATORY -Certificate No. TC-6698)**

**SOURCE APPROVAL CERTIFICATE**

- I i) Name of the raw material : Optical Fibre Hybrid Jumpers  
**Type-I (FC-PC to SC-PC)**
- ii) Name and address of the manufacturer : M/s Shriram Telelink  
B-14/7, Jhilmil Industrial Area, G.T. Road,  
Delhi-110095, India.
- iii) Offered by : Manufacturer
- iv) Conforming to Specification : TEC/ GR/TX/OFJ-01/05/Nov-09. with Errata No.1  
dtd 07.05.2013  
**Type-I (FC-PC to SC-PC)**
- v) Test report particulars : GMQA/ND/SRTL/18-19/02 dated 24.12.2018
- vi) **Valid up to** : **30.12.2021**
- vii) IA Reference : GMQA/ND/SRTL/18-19/02 dated 24.12.2018
- viii) Remarks : Source Approval

II

**RAW MATERIALS DETAIL**

Sr. No	Name of Raw Material	Name of Supplier
1	Simplex cable 2.90mm	CACT approved source
2	Connectors Body	M/s Shenzhen KOC Communication Co., Ltd. China
3	Zirconium ferrule	M/s Shenzhen KOC Communication Co., Ltd. China

- III The item/raw-material(s) mentioned above I(i) is/are hereby source approved subject to the conditions indicated overleaf.
- IV It is responsibility of the equipment manufacturer to ascertain that this component / raw material is suitable for use in their equipment/product against the relevant specification.

(CHITRA.A) 31.12.2018

**Divisional Engineer (OFC)**  
**CACT, BANGALORE - 560 016**

**Copy to:**

1. M/s Shriram Telelink, B-14/7, Jhilmil Industrial Area, G.T. Road, Delhi-110095, India.
2. The CGM QA & Inspection Circle, Jabalpur: for kind information
3. The PGM (North), QA & Inspection Circle, New Delhi: for kind information
4. File: CACT/FL/OFC/HYBRID JUMPERS/SHRIRAM TELELINK/VOL-I
5. SDE (TECH II)/SDE (Approvals)
6. SAC Guard File

P.T.O.



## **TERMS AND CONDITIONS**

1. If there is any change in design / drawing, raw material used, process, addition / alteration of test facilities, methods, location of manufacturing premises or any other related matters, this approval automatically becomes invalid, unless such a change is specifically got approved from CACT. Also indigenisation of imported parts / raw materials calls for CACT approval.
2. Traceability shall be maintained right through the raw material procurement, IGI, Production, Testing and Dispatch.
3. As a normal procedure, specified number of samples / quantity of samples of the items / raw-material approved are to be made over to CACT, to be retained by them for future reference. These samples are non-returnable.
4. During the currency of SAC, CACT / BSNL QA reserve the right to carry out the surveillance and supervisory checks periodically without prior notice. Samples can be picked up either from component/raw-material users or the component manufacturers or from the field units of BSNL and subjected to selected or complete tests. If degradation is noticed the approval could be reviewed and even could be withdrawn. Approval can also be withdrawn in case of feed back complaints received from organizations such as LCSO, BIS, BEL, and ITI etc.
5. Proper quality system shall be maintained in the manufacturing and qualimetric data shall be generated at all stages of manufacturing and testing. The data generated shall be reviewed periodically and trend analysis is made. Half yearly review reports may be submitted to CACT. CACT reserves the right to audit the manufacturing facility as well as the quality system followed, at any point of time as may felt necessary.
6. Feed back complaint shall be promptly analysed and corrective and preventive actions shall be taken. Copy of the feed back report shall be marked to CACT on half yearly basis during the validity of SAC
7. In case of any dispute at any stage during the validity of this approval the decision of the approval authority (CACT) shall be final and binding on the manufacturer.
8. If the renewal of the SAC is needed, the manufacturer has to take up the case with CACT at least 90 days prior to the expiry of the SAC.





Certificate No: **OFC/477**  
Date of issue: **31.12.2018**  
Date of Expiry: **30.12.2021**

**BHARAT SANCHAR NIGAM LTD.**  
(A Govt. of India Enterprise)  
**Component Approval Centre Telecommunications (CACT),**  
**Telecom Quality Assurance Circle**  
**CACT Complex, Doorvaninagar, Bangalore - 560 016.**  
**(NABL ACCREDITED LABORATORY -Certificate No. TC-6698)**

**SOURCE APPROVAL CERTIFICATE**

- I i) Name of the raw material : Optical Fibre Hybrid Jumpers  
**Type-II (FC-PC to SC-APC)**
- ii) Name and address of the manufacturer : M/s Shriram Telelink  
B-14/7, Jhilmil Industrial Area, G.T. Road,  
Delhi-110095, India.
- iii) Offered by : Manufacturer
- iv) Conforming to Specification : TEC/ GR/TX/OFJ-01/05/Nov-09. with Errata No.1  
dtd 07.05.2013  
**Type-II (FC-PC to SC-APC)**
- v) Test report particulars : GMQA/ND/SRTL/18-19/02 dated 24.12.2018
- vi) **Valid up to** : **30.12.2021**
- vii) IA Reference : GMQA/ND/SRTL/18-19/02 dated 24.12.2018
- viii) Remarks : Source Approval

II

**RAW MATERIALS DETAIL**

Sr. No	Name of Raw Material	Name of Supplier
1	Simplex cable 2.90mm	CACT approved source
2	Connectors Body	M/s Shenzhen KOC Communication Co., Ltd. China
3	Zirconium ferrule	M/s Shenzhen KOC Communication Co., Ltd. China

III The item/raw-material(s) mentioned above I(i) is/are hereby source approved subject to the conditions indicated overleaf.

IV It is responsibility of the equipment manufacturer to ascertain that this component / raw material is suitable for use in their equipment/product against the relevant specification.

31.12.2018  
(CHITRA.A)

**Divisional Engineer (OFC)**  
**CACT, BANGALORE - 560 016**

**Copy to:**

1. M/s Shriram Telelink, B-14/7, Jhilmil Industrial Area, G.T. Road, Delhi-110095, India.
2. The CGM QA & Inspection Circle, Jabalpur: for kind information
3. The PGM (North), QA & Inspection Circle, New Delhi: for kind information
4. File: CACT/FL/OFC/HYBRID JUMPERS/SHRIRAM TELELINK/VOL-I
5. SDE (TECH II)/SDE (Approvals)
6. SAC Guard File

P.T.O.



## **TERMS AND CONDITIONS**

1. If there is any change in design / drawing, raw material used, process, addition / alteration of test facilities, methods, location of manufacturing premises or any other related matters, this approval automatically becomes invalid, unless such a change is specifically got approved from CACT. Also indigenisation of imported parts / raw materials calls for CACT approval.
2. Traceability shall be maintained right through the raw material procurement, IGI, Production, Testing and Dispatch.
3. As a normal procedure, specified number of samples / quantity of samples of the items / raw-material approved are to be made over to CACT, to be retained by them for future reference. These samples are non-returnable.
4. During the currency of SAC, CACT / BSNL QA reserve the right to carry out the surveillance and supervisory checks periodically without prior notice. Samples can be picked up either from component/raw-material users or the component manufacturers or from the field units of BSNL and subjected to selected or complete tests. If degradation is noticed the approval could be reviewed and even could be withdrawn. Approval can also be withdrawn in case of feed back complaints received from organizations such as LCSO, BIS, BEL, and ITI etc.
5. Proper quality system shall be maintained in the manufacturing and qualimetric data shall be generated at all stages of manufacturing and testing. The data generated shall be reviewed periodically and trend analysis is made. Half yearly review reports may be submitted to CACT. CACT reserves the right to audit the manufacturing facility as well as the quality system followed, at any point of time as may felt necessary.
6. Feed back complaint shall be promptly analysed and corrective and preventive actions shall be taken. Copy of the feed back report shall be marked to CACT on half yearly basis during the validity of SAC
7. In case of any dispute at any stage during the validity of this approval the decision of the approval authority (CACT) shall be final and binding on the manufacturer.
8. If the renewal of the SAC is needed, the manufacturer has to take up the case with CACT at least 90 days prior to the expiry of the SAC.





Certificate No: OFC/478  
Date of issue: 31.12.2018  
Date of Expiry: 30.12.2021

**BHARAT SANCHAR NIGAM LTD.**

(A Govt. of India Enterprise)

**Component Approval Centre Telecommunications (CACT),  
Telecom Quality Assurance Circle**

**CACT Complex, Doorvaninagar, Bangalore - 560 016.**

**(NABL ACCREDITED LABORATORY -Certificate No. TC-6698)**

**SOURCE APPROVAL CERTIFICATE**

- I i) Name of the raw material : Optical Fibre Hybrid Jumpers  
**Type-III (FC-PC to LC)**
- ii) Name and address of the manufacturer : M/s Shriram Telelink  
B-14/7, Jhilmil Industrial Area, G.T. Road,  
Delhi-110095, India.
- iii) Offered by : Manufacturer
- iv) Conforming to Specification : TEC/ GR/TX/OFJ-01/05/Nov-09. with Errata No.1  
dtd 07.05.2013  
**Type-III (FC-PC to LC)**
- v) Test report particulars : GMQA/ND/SRTL/18-19/02 dated 24.12.2018
- vi) **Valid up to** : **30.12.2021**
- vii) IA Reference : GMQA/ND/SRTL/18-19/02 dated 24.12.2018
- viii) Remarks : Source Approval

II

**RAW MATERIALS DETAIL**

Sr. No	Name of Raw Material	Name of Supplier
1	Simplex cable 2.00mm	CACT approved source
2	Connectors Body	M/s Shenzhen KOC Communication Co., Ltd. China
3	Zirconium ferrule	M/s Shenzhen KOC Communication Co., Ltd. China

- III The item/raw-material(s) mentioned above I(i) is/are hereby source approved subject to the conditions indicated overleaf.
- IV It is responsibility of the equipment manufacturer to ascertain that this component / raw material is suitable for use in their equipment/product against the relevant specification.

*X. Nish*  
31.12.2018.

(CHITRA.A)

**Divisional Engineer (OFC)  
CACT, BANGALORE - 560 016**

**Copy to:**

1. M/s Shriram Telelink, B-14/7, Jhilmil Industrial Area, G.T. Road, Delhi-110095, India.
2. The CGM QA & Inspection Circle, Jabalpur: for kind information
3. The PGM (North), QA & Inspection Circle, New Delhi: for kind information
4. File: CACT/FL/OFC/HYBRID JUMPERS/SHRIRAM TELELINK/VOL-I
5. SDE (TECH II)/SDE (Approvals)
6. SAC Guard File

P.T.O.



## **TERMS AND CONDITIONS**

1. If there is any change in design / drawing, raw material used, process, addition / alteration of test facilities, methods, location of manufacturing premises or any other related matters, this approval automatically becomes invalid, unless such a change is specifically got approved from CACT. Also indigenisation of imported parts / raw materials calls for CACT approval.
2. Traceability shall be maintained right through the raw material procurement, IGI, Production, Testing and Dispatch.
3. As a normal procedure, specified number of samples / quantity of samples of the items / raw-material approved are to be made over to CACT, to be retained by them for future reference. These samples are non-returnable.
4. During the currency of SAC, CACT / BSNL QA reserve the right to carry out the surveillance and supervisory checks periodically without prior notice. Samples can be picked up either from component/raw-material users or the component manufacturers or from the field units of BSNL and subjected to selected or complete tests. If degradation is noticed the approval could be reviewed and even could be withdrawn. Approval can also be withdrawn in case of feed back complaints received from organizations such as LCSO, BIS, BEL, and ITI etc.
5. Proper quality system shall be maintained in the manufacturing and qualimetric data shall be generated at all stages of manufacturing and testing. The data generated shall be reviewed periodically and trend analysis is made. Half yearly review reports may be submitted to CACT. CACT reserves the right to audit the manufacturing facility as well as the quality system followed, at any point of time as may felt necessary.
6. Feed back complaint shall be promptly analysed and corrective and preventive actions shall be taken. Copy of the feed back report shall be marked to CACT on half yearly basis during the validity of SAC
7. In case of any dispute at any stage during the validity of this approval the decision of the approval authority (CACT) shall be final and binding on the manufacturer.
8. If the renewal of the SAC is needed, the manufacturer has to take up the case with CACT at least 90 days prior to the expiry of the SAC.





Certificate No: OFC/479  
Date of issue: 31.12.2018  
Date of Expiry: 30.12.2021

**BHARAT SANCHAR NIGAM LTD.**  
(A Govt. of India Enterprise)  
**Component Approval Centre Telecommunications (CACT),**  
**Telecom Quality Assurance Circle**  
**CACT Complex, Doorvaninagar, Bangalore - 560 016.**  
**(NABL ACCREDITED LABORATORY -Certificate No. TC-6698)**

**SOURCE APPROVAL CERTIFICATE**

- I
- i) Name of the raw material : Optical Fibre Hybrid Jumpers  
**Type-IV (SC-PC to SC-APC)**
- ii) Name and address of the manufacturer : M/s Shriram Telelink  
B-14/7, Jhilmil Industrial Area, G.T. Road,  
Delhi-110095, India.
- iii) Offered by : Manufacturer
- iv) Conforming to Specification : TEC/ GR/TX/OFJ-01/05/Nov-09. with Errata No.1  
dtd 07.05.2013  
**Type-IV (SC-PC to SC-APC)**
- v) Test report particulars : GMQA/ND/SRTL/18-19/02 dated 24.12.2018
- vi) **Valid up to** : **30.12.2021**
- vii) IA Reference : GMQA/ND/SRTL/18-19/02 dated 24.12.2018
- viii) Remarks : Source Approval

II

**RAW MATERIALS DETAIL**

Sr. No	Name of Raw Material	Name of Supplier
1	Simplex cable 2.90mm	CACT approved source
2	Connectors Body	M/s Shenzhen KOC Communication Co., Ltd. China
3	Zirconium ferrule	M/s Shenzhen KOC Communication Co., Ltd. China

III The item/raw-material(s) mentioned above I(i) is/are hereby source approved subject to the conditions indicated overleaf.

IV It is responsibility of the equipment manufacturer to ascertain that this component / raw material is suitable for use in their equipment/product against the relevant specification.

(CHITRA.A) 31.12.2018

**Divisional Engineer (OFC)**  
**CACT, BANGALORE - 560 016**

**Copy to:**

1. M/s Shriram Telelink, B-14/7, Jhilmil Industrial Area, G.T. Road, Delhi-110095, India.
2. The CGM QA & Inspection Circle, Jabalpur: for kind information
3. The PGM (North), QA & Inspection Circle, New Delhi: for kind information
4. File: CACT/FL/OFC/HYBRID JUMPERS/SHRIRAM TELELINK/VOL-I
5. SDE (TECH II)/SDE (Approvals)
6. SAC Guard File

P.T.O.



## **TERMS AND CONDITIONS**

1. If there is any change in design / drawing, raw material used, process, addition / alteration of test facilities, methods, location of manufacturing premises or any other related matters, this approval automatically becomes invalid, unless such a change is specifically got approved from CACT. Also indigenisation of imported parts / raw materials calls for CACT approval.
2. Traceability shall be maintained right through the raw material procurement, IGI, Production, Testing and Dispatch.
3. As a normal procedure, specified number of samples / quantity of samples of the items / raw-material approved are to be made over to CACT, to be retained by them for future reference. These samples are non-returnable.
4. During the currency of SAC, CACT / BSNL QA reserve the right to carry out the surveillance and supervisory checks periodically without prior notice. Samples can be picked up either from component/raw-material users or the component manufacturers or from the field units of BSNL and subjected to selected or complete tests. If degradation is noticed the approval could be reviewed and even could be withdrawn. Approval can also be withdrawn in case of feed back complaints received from organizations such as LCSO, BIS, BEL, and ITI etc.
5. Proper quality system shall be maintained in the manufacturing and qualimetric data shall be generated at all stages of manufacturing and testing. The data generated shall be reviewed periodically and trend analysis is made. Half yearly review reports may be submitted to CACT. CACT reserves the right to audit the manufacturing facility as well as the quality system followed, at any point of time as may felt necessary.
6. Feed back complaint shall be promptly analysed and corrective and preventive actions shall be taken. Copy of the feed back report shall be marked to CACT on half yearly basis during the validity of SAC
7. In case of any dispute at any stage during the validity of this approval the decision of the approval authority (CACT) shall be final and binding on the manufacturer.
8. If the renewal of the SAC is needed, the manufacturer has to take up the case with CACT at least 90 days prior to the expiry of the SAC.





Certificate No: OFC/480  
Date of issue: 31.12.2018  
Date of Expiry: 30.12.2021

**BHARAT SANCHAR NIGAM LTD.**  
(A Govt. of India Enterprise)  
**Component Approval Centre Telecommunications (CACT),**  
**Telecom Quality Assurance Circle**  
**CACT Complex, Doorvaninagar, Bangalore - 560 016.**  
**(NABL ACCREDITED LABORATORY -Certificate No. TC-6698)**

**SOURCE APPROVAL CERTIFICATE**

- I i) Name of the raw material : Optical Fibre Hybrid Jumpers  
**Type-V (SC-PC to LC)**
- ii) Name and address of the manufacturer : M/s Shriram Telelink  
B-14/7, Jhilmil Industrial Area, G.T. Road,  
Delhi-110095, India.
- iii) Offered by : Manufacturer
- iv) Conforming to Specification : TEC/ GR/TX/OFJ-01/05/Nov-09. with Errata No.1  
dtd 07.05.2013  
**Type-V (SC-PC to LC)**
- v) Test report particulars : GMQA/ND/SRTL/18-19/02 dated 24.12.2018
- vi) **Valid up to** : **30.12.2021**
- vii) IA Reference : GMQA/ND/SRTL/18-19/02 dated 24.12.2018
- viii) Remarks : Source Approval

II **RAW MATERIALS DETAIL**

Sr. No	Name of Raw Material	Name of Supplier
1	Simplex cable 2.00mm	CACT approved source
2	Connectors Body	M/s Shenzhen KOC Communication Co., Ltd. China
3	Zirconium ferrule	M/s Shenzhen KOC Communication Co., Ltd. China

III The item/raw-material(s) mentioned above I(i) is/are hereby source approved subject to the conditions indicated overleaf.

IV It is responsibility of the equipment manufacturer to ascertain that this component / raw material is suitable for use in their equipment/product against the relevant specification.

31.12.2018  
(CHITRA.A)

**Divisional Engineer (OFC)**  
**CACT, BANGALORE - 560 016**

**Copy to:**

1. M/s Shriram Telelink, B-14/7, Jhilmil Industrial Area, G.T. Road, Delhi-110095, India.
2. The CGM QA & Inspection Circle, Jabalpur: for kind information
3. The PGM (North), QA & Inspection Circle, New Delhi: for kind information
4. File: CACT/FL/OFC/HYBRID JUMPERS/SHRIRAM TELELINK/VOL-I
5. SDE (TECH II)/SDE (Approvals)
6. SAC Guard File

P.T.O.



## **TERMS AND CONDITIONS**

1. If there is any change in design / drawing, raw material used, process, addition / alteration of test facilities, methods, location of manufacturing premises or any other related matters, this approval automatically becomes invalid, unless such a change is specifically got approved from CACT. Also indigenisation of imported parts / raw materials calls for CACT approval.
2. Traceability shall be maintained right through the raw material procurement, IGI, Production, Testing and Dispatch.
3. As a normal procedure, specified number of samples / quantity of samples of the items / raw-material approved are to be made over to CACT, to be retained by them for future reference. These samples are non-returnable.
4. During the currency of SAC, CACT / BSNL QA reserve the right to carry out the surveillance and supervisory checks periodically without prior notice. Samples can be picked up either from component/raw-material users or the component manufacturers or from the field units of BSNL and subjected to selected or complete tests. If degradation is noticed the approval could be reviewed and even could be withdrawn. Approval can also be withdrawn in case of feed back complaints received from organizations such as LCSO, BIS, BEL, and ITI etc.
5. Proper quality system shall be maintained in the manufacturing and qualimetric data shall be generated at all stages of manufacturing and testing. The data generated shall be reviewed periodically and trend analysis is made. Half yearly review reports may be submitted to CACT. CACT reserves the right to audit the manufacturing facility as well as the quality system followed, at any point of time as may felt necessary.
6. Feed back complaint shall be promptly analysed and corrective and preventive actions shall be taken. Copy of the feed back report shall be marked to CACT on half yearly basis during the validity of SAC
7. In case of any dispute at any stage during the validity of this approval the decision of the approval authority (CACT) shall be final and binding on the manufacturer.
8. If the renewal of the SAC is needed, the manufacturer has to take up the case with CACT at least 90 days prior to the expiry of the SAC.





Certificate No: OFC/481  
Date of issue: 31.12.2018  
Date of Expiry: 30.12.2021

**BHARAT SANCHAR NIGAM LTD.**  
(A Govt. of India Enterprise)  
**Component Approval Centre Telecommunications (CACT),**  
**Telecom Quality Assurance Circle**  
**CACT Complex, Doorvaninagar, Bangalore - 560 016.**  
**(NABL ACCREDITED LABORATORY -Certificate No. TC-6698)**

**SOURCE APPROVAL CERTIFICATE**

- I i) Name of the raw material : Optical Fibre Hybrid Jumpers  
**Type-VI (SC-APC to LC)**
- ii) Name and address of the manufacturer : M/s Shriram Telelink  
B-14/7, Jhilmil Industrial Area, G.T. Road,  
Delhi-110095, India.
- iii) Offered by : Manufacturer
- iv) Conforming to Specification : TEC/ GR/TX/OFJ-01/05/Nov-09. with Errata No.1  
dtd 07.05.2013  
**Type-VI (SC-APC to LC)**
- v) Test report particulars : GMQA/ND/SRTL/18-19/02 dated 24.12.2018
- vi) **Valid up to** : **30.12.2021**
- vii) IA Reference : GMQA/ND/SRTL/18-19/02 dated 24.12.2018
- viii) Remarks : Source Approval

II **RAW MATERIALS DETAIL**

Sr. No	Name of Raw Material	Name of Supplier
1	Simplex cable 2.00mm	CACT approved source
2	Connectors Body	M/s Shenzhen KOC Communication Co., Ltd. China
3	Zirconium ferrule	M/s Shenzhen KOC Communication Co., Ltd. China

- III The item/raw-material(s) mentioned above I(i) is/are hereby source approved subject to the conditions indicated overleaf.
- IV It is responsibility of the equipment manufacturer to ascertain that this component / raw material is suitable for use in their equipment/product against the relevant specification.

31.12.2018  
(CHITRA.A)

**Divisional Engineer (OFC)**  
**CACT, BANGALORE - 560 016**

**Copy to:**

1. M/s Shriram Telelink, B-14/7, Jhilmil Industrial Area, G.T. Road, Delhi-110095, India.
2. The CGM QA & Inspection Circle, Jabalpur: for kind information
3. The PGM (North), QA & Inspection Circle, New Delhi: for kind information
4. File: CACT/FL/OFC/HYBRID JUMPERS/SHRIRAM TELELINK/VOL-I
5. SDE (TECH II)/SDE (Approvals)
6. SAC Guard File

P.T.O.



## **TERMS AND CONDITIONS**

1. If there is any change in design / drawing, raw material used, process, addition / alteration of test facilities, methods, location of manufacturing premises or any other related matters, this approval automatically becomes invalid, unless such a change is specifically got approved from CACT. Also indigenisation of imported parts / raw materials calls for CACT approval.
2. Traceability shall be maintained right through the raw material procurement, IGI, Production, Testing and Dispatch.
3. As a normal procedure, specified number of samples / quantity of samples of the items / raw-material approved are to be made over to CACT, to be retained by them for future reference. These samples are non-returnable.
4. During the currency of SAC, CACT / BSNL QA reserve the right to carry out the surveillance and supervisory checks periodically without prior notice. Samples can be picked up either from component/raw-material users or the component manufacturers or from the field units of BSNL and subjected to selected or complete tests. If degradation is noticed the approval could be reviewed and even could be withdrawn. Approval can also be withdrawn in case of feed back complaints received from organizations such as LCSO, BIS, BEL, and ITI etc.
5. Proper quality system shall be maintained in the manufacturing and qualimetric data shall be generated at all stages of manufacturing and testing. The data generated shall be reviewed periodically and trend analysis is made. Half yearly review reports may be submitted to CACT. CACT reserves the right to audit the manufacturing facility as well as the quality system followed, at any point of time as may felt necessary.
6. Feed back complaint shall be promptly analysed and corrective and preventive actions shall be taken. Copy of the feed back report shall be marked to CACT on half yearly basis during the validity of SAC
7. In case of any dispute at any stage during the validity of this approval the decision of the approval authority (CACT) shall be final and binding on the manufacturer.
8. If the renewal of the SAC is needed, the manufacturer has to take up the case with CACT at least 90 days prior to the expiry of the SAC.





Certificate No: OFC/482  
Date of issue: 31.12.2018  
Date of Expiry: 30.12.2021

**BHARAT SANCHAR NIGAM LTD.**  
(A Govt. of India Enterprise)  
**Component Approval Centre Telecommunications (CACT),**  
**Telecom Quality Assurance Circle**  
**CACT Complex, Doorvaninagar, Bangalore - 560 016.**  
**(NABL ACCREDITED LABORATORY -Certificate No. TC-6698)**

**SOURCE APPROVAL CERTIFICATE**

- I i) Name of the raw material : Adapter  
**FC-PC to FC-PC (Type-I)**
- ii) Name and address of the manufacturer : M/s Shriram Telelink  
B-14/7, Jhilmil Industrial Area, G.T. Road,  
Delhi-110095, India.
- iii) Offered by : Manufacturer
- iv) Conforming to Specification : TEC/ GR/TX/OFJ-01/05/Nov-09. with Errata No.1  
dtd 07.05.2013  
**Type : FC-PC to FC-PC (Type-I)**
- v) Test report particulars : GMQA/ND/SRTL/18-19/02 dated 24.12.2018
- vi) **Valid up to** : **30.12.2021**
- vii) IA Reference : GMQA/ND/SRTL/18-19/02 dated 24.12.2018
- viii) Remarks : Source Approval

II

**RAW MATERIALS DETAIL**

Sr. No	Name of Raw Material	Name of Supplier
1	Adapter Body	M/s Shenzhen KOC Communication Co., Ltd. China
2	Zirconia Ceramic Split Sleeve	M/s Shenzhen KOC Communication Co., Ltd. China

- III The item/raw-material(s) mentioned above I(i) is/are hereby source approved subject to the conditions indicated overleaf.
- IV It is responsibility of the equipment manufacturer to ascertain that this component / raw material is suitable for use in their equipment/product against the relevant specification.

31.12.2018  
(CHITRA.A)

**Divisional Engineer (OFC)**  
**CACT, BANGALORE - 560 016**

**Copy to:**

1. M/s Shriram Telelink, B-14/7, Jhilmil Industrial Area, G.T. Road, Delhi-110095, India.
2. The CGM QA & Inspection Circle, Jabalpur: for kind information
3. The PGM (North), QA & Inspection Circle, New Delhi: for kind information
4. File: CACT/FL/OFC/ADAPTERS/SHRIRAM TELELINK/VOL-I
5. SDE (TECH II)/SDE (Approvals)
6. SAC Guard File

P.T.O.



## **TERMS AND CONDITIONS**

1. If there is any change in design / drawing, raw material used, process, addition / alteration of test facilities, methods, location of manufacturing premises or any other related matters, this approval automatically becomes invalid, unless such a change is specifically got approved from CACT. Also indigenisation of imported parts / raw materials calls for CACT approval.
2. Traceability shall be maintained right through the raw material procurement, IGI, Production, Testing and Dispatch.
3. As a normal procedure, specified number of samples / quantity of samples of the items / raw-material approved are to be made over to CACT, to be retained by them for future reference. These samples are non-returnable.
4. During the currency of SAC, CACT / BSNL QA reserve the right to carry out the surveillance and supervisory checks periodically without prior notice. Samples can be picked up either from component/raw-material users or the component manufacturers or from the field units of BSNL and subjected to selected or complete tests. If degradation is noticed the approval could be reviewed and even could be withdrawn. Approval can also be withdrawn in case of feed back complaints received from organizations such as LCSO, BIS, BEL, and ITI etc.
5. Proper quality system shall be maintained in the manufacturing and qualimetric data shall be generated at all stages of manufacturing and testing. The data generated shall be reviewed periodically and trend analysis is made. Half yearly review reports may be submitted to CACT. CACT reserves the right to audit the manufacturing facility as well as the quality system followed, at any point of time as may felt necessary.
6. Feed back complaint shall be promptly analysed and corrective and preventive actions shall be taken. Copy of the feed back report shall be marked to CACT on half yearly basis during the validity of SAC
7. In case of any dispute at any stage during the validity of this approval the decision of the approval authority (CACT) shall be final and binding on the manufacturer.
8. If the renewal of the SAC is needed, the manufacturer has to take up the case with CACT at least 90 days prior to the expiry of the SAC.





Certificate No: OFC/483  
Date of issue: 31.12.2018  
Date of Expiry: 30.12.2021

**BHARAT SANCHAR NIGAM LTD.**  
(A Govt. of India Enterprise)  
**Component Approval Centre Telecommunications (CACT),**  
**Telecom Quality Assurance Circle**  
**CACT Complex, Doorvaninagar, Bangalore - 560 016.**  
**(NABL ACCREDITED LABORATORY -Certificate No. TC-6698)**

**SOURCE APPROVAL CERTIFICATE**

- I i) Name of the raw material : Adapter  
**SC-PC to SC-PC (Type-II)**
- ii) Name and address of the manufacturer : M/s Shriram Telelink  
B-14/7, Jhilmil Industrial Area, G.T. Road,  
Delhi-110095, India.
- iii) Offered by : Manufacturer
- iv) Conforming to Specification : TEC/ GR/TX/OFJ-01/05/Nov-09. with Errata No.1  
dtd 07.05.2013  
**Type : SC-PC to SC-PC (Type-II)**
- v) Test report particulars : GMQA/ND/SRTL/18-19/02 dated 24.12.2018
- vi) **Valid up to** : **30.12.2021**
- vii) IA Reference : GMQA/ND/SRTL/18-19/02 dated 24.12.2018
- viii) Remarks : Source Approval

II

**RAW MATERIALS DETAIL**

Sr. No	Name of Raw Material	Name of Supplier
1	Adapter Body	M/s Shenzhen KOC Communication Co., Ltd. China
2	Zirconia Ceramic Split Sleeve	M/s Shenzhen KOC Communication Co., Ltd. China

- III The item/raw-material(s) mentioned above I(i) is/are hereby source approved subject to the conditions indicated overleaf.
- IV It is responsibility of the equipment manufacturer to ascertain that this component / raw material is suitable for use in their equipment/product against the relevant specification.

31.12.2018  
(CHITRA.A)

**Divisional Engineer (OFC)**  
**CACT, BANGALORE - 560 016**

**Copy to:**

1. M/s Shriram Telelink, B-14/7, Jhilmil Industrial Area, G.T. Road, Delhi-110095, India.
2. The CGM QA & Inspection Circle, Jabalpur: for kind information
3. The PGM (North), QA & Inspection Circle, New Delhi: for kind information
4. File: CACT/FL/OFC/ADAPTERS/SHRIRAM TELELINK/VOL-I
5. SDE (TECH II)/SDE (Approvals)
6. SAC Guard File

P.T.O.



## **TERMS AND CONDITIONS**

1. If there is any change in design / drawing, raw material used, process, addition / alteration of test facilities, methods, location of manufacturing premises or any other related matters, this approval automatically becomes invalid, unless such a change is specifically got approved from CACT. Also indigenisation of imported parts / raw materials calls for CACT approval.
2. Traceability shall be maintained right through the raw material procurement, IGI, Production, Testing and Dispatch.
3. As a normal procedure, specified number of samples / quantity of samples of the items / raw-material approved are to be made over to CACT, to be retained by them for future reference. These samples are non-returnable.
4. During the currency of SAC, CACT / BSNL QA reserve the right to carry out the surveillance and supervisory checks periodically without prior notice. Samples can be picked up either from component/raw-material users or the component manufacturers or from the field units of BSNL and subjected to selected or complete tests. If degradation is noticed the approval could be reviewed and even could be withdrawn. Approval can also be withdrawn in case of feed back complaints received from organizations such as LCSO, BIS, BEL, and ITI etc.
5. Proper quality system shall be maintained in the manufacturing and qualimetric data shall be generated at all stages of manufacturing and testing. The data generated shall be reviewed periodically and trend analysis is made. Half yearly review reports may be submitted to CACT. CACT reserves the right to audit the manufacturing facility as well as the quality system followed, at any point of time as may felt necessary.
6. Feed back complaint shall be promptly analysed and corrective and preventive actions shall be taken. Copy of the feed back report shall be marked to CACT on half yearly basis during the validity of SAC
7. In case of any dispute at any stage during the validity of this approval the decision of the approval authority (CACT) shall be final and binding on the manufacturer.
8. If the renewal of the SAC is needed, the manufacturer has to take up the case with CACT at least 90 days prior to the expiry of the SAC.





Certificate No: OFC/484  
Date of issue: 31.12.2018  
Date of Expiry: 30.12.2021

**BHARAT SANCHAR NIGAM LTD.**  
(A Govt. of India Enterprise)  
**Component Approval Centre Telecommunications (CACT),**  
**Telecom Quality Assurance Circle**  
**CACT Complex, Doorvaninagar, Bangalore - 560 016.**  
**(NABL ACCREDITED LABORATORY -Certificate No. TC-6698)**

**SOURCE APPROVAL CERTIFICATE**

- I i) Name of the raw material : Adapter  
**SC-APC to SC-APC (Type-III)**
- ii) Name and address of the manufacturer : M/s Shriram Telelink  
B-14/7, Jhilmil Industrial Area, G.T. Road,  
Delhi-110095, India.
- iii) Offered by : Manufacturer
- iv) Conforming to Specification : TEC/ GR/TX/OFJ-01/05/Nov-09. with Errata No.1  
dtd 07.05.2013  
**Type : SC-APC to SC-APC (Type-III)**
- v) Test report particulars : GMQA/ND/SRTL/18-19/02 dated 24.12.2018
- vi) **Valid up to** : **30.12.2021**
- vii) IA Reference : GMQA/ND/SRTL/18-19/02 dated 24.12.2018
- viii) Remarks : Source Approval

II

**RAW MATERIALS DETAIL**

Sr. No	Name of Raw Material	Name of Supplier
1	Adapter Body	M/s Shenzhen KOC Communication Co., Ltd. China
2	Zirconia Ceramic Split Sleeve	M/s Shenzhen KOC Communication Co., Ltd. China

- III The item/raw-material(s) mentioned above I(i) is/are hereby source approved subject to the conditions indicated overleaf.
- IV It is responsibility of the equipment manufacturer to ascertain that this component / raw material is suitable for use in their equipment/product against the relevant specification.

*(Signature)*  
31.12.2018  
(CHITRA.A)

**Divisional Engineer (OFC)**  
**CACT, BANGALORE - 560 016**

**Copy to:**

1. M/s Shriram Telelink, B-14/7, Jhilmil Industrial Area, G.T. Road, Delhi-110095, India.
2. The CGM QA & Inspection Circle, Jabalpur: for kind information
3. The PGM (North), QA & Inspection Circle, New Delhi: for kind information
4. File: CACT/FL/OFC/ADAPTERS/SHRIRAM TELELINK/VOL-I
5. SDE (TECH II)/SDE (Approvals)
6. SAC Guard File

P.T.O.



## **TERMS AND CONDITIONS**

1. If there is any change in design / drawing, raw material used, process, addition / alteration of test facilities, methods, location of manufacturing premises or any other related matters, this approval automatically becomes invalid, unless such a change is specifically got approved from CACT. Also indigenisation of imported parts / raw materials calls for CACT approval.
2. Traceability shall be maintained right through the raw material procurement, IGI, Production, Testing and Dispatch.
3. As a normal procedure, specified number of samples / quantity of samples of the items / raw-material approved are to be made over to CACT, to be retained by them for future reference. These samples are non-returnable.
4. During the currency of SAC, CACT / BSNL QA reserve the right to carry out the surveillance and supervisory checks periodically without prior notice. Samples can be picked up either from component/raw-material users or the component manufacturers or from the field units of BSNL and subjected to selected or complete tests. If degradation is noticed the approval could be reviewed and even could be withdrawn. Approval can also be withdrawn in case of feed back complaints received from organizations such as LCSO, BIS, BEL, and ITI etc.
5. Proper quality system shall be maintained in the manufacturing and qualimetric data shall be generated at all stages of manufacturing and testing. The data generated shall be reviewed periodically and trend analysis is made. Half yearly review reports may be submitted to CACT. CACT reserves the right to audit the manufacturing facility as well as the quality system followed, at any point of time as may felt necessary.
6. Feed back complaint shall be promptly analysed and corrective and preventive actions shall be taken. Copy of the feed back report shall be marked to CACT on half yearly basis during the validity of SAC
7. In case of any dispute at any stage during the validity of this approval the decision of the approval authority (CACT) shall be final and binding on the manufacturer.
8. If the renewal of the SAC is needed, the manufacturer has to take up the case with CACT at least 90 days prior to the expiry of the SAC.





Certificate No: OFC/485  
Date of issue: 31.12.2018  
Date of Expiry: 30.12.2021

**BHARAT SANCHAR NIGAM LTD.**  
(A Govt. of India Enterprise)  
**Component Approval Centre Telecommunications (CACT),**  
**Telecom Quality Assurance Circle**  
**CACT Complex, Doorvaninagar, Bangalore - 560 016.**  
**(NABL ACCREDITED LABORATORY -Certificate No. TC-6698)**

**SOURCE APPROVAL CERTIFICATE**

- I i) Name of the raw material : Adapter  
**LC to LC (Type-IV)**
- ii) Name and address of the manufacturer : M/s Shriram Telelink  
B-14/7, Jhilmil Industrial Area, G.T. Road,  
Delhi-110095, India.
- iii) Offered by : Manufacturer
- iv) Conforming to Specification : TEC/ GR/TX/OFJ-01/05/Nov-09. with Errata No.1  
dtd 07.05.2013  
**Type : LC to LC (Type-IV)**
- v) Test report particulars : GMQA/ND/SRTL/18-19/02 dated 24.12.2018
- vi) **Valid up to** : **30.12.2021**
- vii) IA Reference : GMQA/ND/SRTL/18-19/02 dated 24.12.2018
- viii) Remarks : Source Approval

II **RAW MATERIALS DETAIL**

Sr. No	Name of Raw Material	Name of Supplier
1	Adapter Body	M/s Shenzhen KOC Communication Co., Ltd. China
2	Zirconia Ceramic Split Sleeve	M/s Shenzhen KOC Communication Co., Ltd. China

III The item/raw-material(s) mentioned above I(i) is/are hereby source approved subject to the conditions indicated overleaf.

IV It is responsibility of the equipment manufacturer to ascertain that this component / raw material is suitable for use in their equipment/product against the relevant specification.

31.12.2018  
(CHITRA.A)

**Divisional Engineer (OFC)**  
**CACT, BANGALORE - 560 016**

**Copy to:**

1. M/s Shriram Telelink, B-14/7, Jhilmil Industrial Area, G.T. Road, Delhi-110095, India.
2. The CGM QA & Inspection Circle, Jabalpur: for kind information
3. The PGM (North), QA & Inspection Circle, New Delhi: for kind information
4. File: CACT/FL/OFC/ADAPTERS/SHRIRAM TELELINK/VOL-I
5. SDE (TECH II)/SDE (Approvals)
6. SAC Guard File

P.T.O.



## **TERMS AND CONDITIONS**

1. If there is any change in design / drawing, raw material used, process, addition / alteration of test facilities, methods, location of manufacturing premises or any other related matters, this approval automatically becomes invalid, unless such a change is specifically got approved from CACT. Also indigenisation of imported parts / raw materials calls for CACT approval.
2. Traceability shall be maintained right through the raw material procurement, IGI, Production, Testing and Dispatch.
3. As a normal procedure, specified number of samples / quantity of samples of the items / raw-material approved are to be made over to CACT, to be retained by them for future reference. These samples are non-returnable.
4. During the currency of SAC, CACT / BSNL QA reserve the right to carry out the surveillance and supervisory checks periodically without prior notice. Samples can be picked up either from component/raw-material users or the component manufacturers or from the field units of BSNL and subjected to selected or complete tests. If degradation is noticed the approval could be reviewed and even could be withdrawn. Approval can also be withdrawn in case of feed back complaints received from organizations such as LCSO, BIS, BEL, and ITI etc.
5. Proper quality system shall be maintained in the manufacturing and qualimetric data shall be generated at all stages of manufacturing and testing. The data generated shall be reviewed periodically and trend analysis is made. Half yearly review reports may be submitted to CACT. CACT reserves the right to audit the manufacturing facility as well as the quality system followed, at any point of time as may felt necessary.
6. Feed back complaint shall be promptly analysed and corrective and preventive actions shall be taken. Copy of the feed back report shall be marked to CACT on half yearly basis during the validity of SAC
7. In case of any dispute at any stage during the validity of this approval the decision of the approval authority (CACT) shall be final and binding on the manufacturer.
8. If the renewal of the SAC is needed, the manufacturer has to take up the case with CACT at least 90 days prior to the expiry of the SAC.