

DUAL FIBER OPTIC DS-2 EXTENSION (FOX-2R) UNIT  
PARTS LIST AND ORDERING INFORMATION

1. GENERAL

- 1.01 This section is a cover sheet for the Telco Systems Fiber Optics Corporation Dual Fiber Optic DS-2 Extension (FOX-2R) Unit Parts List and Ordering Information. This section is reproduced with permission of Telco Systems Fiber Optics Corporation and is the equivalent of Telco practice 831-100-003, Issue 1.
- 1.02 Whenever this section is reissued the reason(s) for reissue will be listed in this paragraph.
- 1.03 This section contains parts lists of major subassemblies and general parts ordering information for the Dual Fiber Optic DS-2 Extension (FOX-2R) Unit.
- 1.04 If corrections are required in the attached document, use Form-3973 as described in Section 000-010-015.
- 1.05 If equipment design and/or manufacturing problems should occur, refer to Section SW 010-522-906 for procedures on filing an Engineering complaint.

2. ORDERING PROCEDURE

- 2.01 For information concerning equipment and parts availability contact Telco Systems, Order Administration Department, in Norwood, Massachusetts, at:
- 1-800-44-SALES  
1-617-551-0300
- 2.02 To order additional copies of this practice, use TELC 365-407-859SW as the section number.

3. REPAIR/RETURN

- 3.01 For defective modules and assemblies contact the Repair and Return Department at the following number:
- 8:00 a.m. - 5:00 p.m. (617) 551-0300 - Ext. 2778

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TELC 365-407-859SW

Attachment: Telco Systems Fiber Optics Corporation  
Dual Fiber Optic DS-2 Extension (FOX-2R) Unit  
Parts List and Ordering Information

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PARTS LIST AND ORDERING INFORMATION

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1. SCOPE	
1.01 This section contains parts lists of major subassemblies and general parts ordering information for the FOX-2R.	
1.02 Whenever this section is reissued, the reason for reissue will be listed in this paragraph.	
2. PARTS LIST	
2.01 TABLE A lists all assemblies and their part numbers for the basic FOX-2R. TABLE A details the required ordering information for the basic FOX-2R.	
2.02 TABLE B lists all assemblies and their part numbers for the basic FOX-2R with 1:1 protection. Table B details the required ordering information for the basic FOX-2R with 1:1 protection.	
2.03 TABLE C lists all assemblies and their part numbers for the full FOX-2R, unprotected. Table C details the required ordering information for the full FOX 2R, unprotected.	
2.04 TABLE D lists all assemblies and their part numbers required for a full FOX-2R with 1:1 protection. TABLE D details the required ordering information for the full FOX-2R with 1:1 protection.	
2.05 TABLE E lists all accessories and options for the FOX-2R. TABLE E details the required ordering information for FOX-2R accessories.	

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TABLE A. FOX-2R Basic Unit Assembly and Part Numbers List

BASIC FOX-2R UNIT, -48 Vdc, RACK MOUNT  
(Unprotected FOX-2R with One DS-2)

Capabilities: Can handle up to four T1 or two T1C inputs  
for up to 96 voice/data channels.

Note: Equipment listed below is required to operate one unit  
(the FOX-2R Unit-I, left side, or the FOX-2R Unit-II,  
right side) of the FOX-2R system.

The Basic Unit consists of the following:

PART NUMBER	QUANTITY	DESCRIPTION
ACXO41G1	1	Unequipped FOX-2R Double Cage
PSX016-1	1	Power Supply

CCA148G1	1	MAIN Light Transmission Unit (LTU) Card
CCA050G1	1	T1 Interface or
CCA006G1	1	T1C Interface
CCA137G21	1	Control MPU

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TABLE B. FOX-2R Basic Unit (One DS-2 with 1:1 Protection)  
Assembly and Part Numbers List

BASIC FOX-2R UNIT, -48 Vdc, RACK MOUNT  
(Protected FOX-2R with One DS-2)

Capabilities: Handles up to four T1 or two T1C inputs for  
up to 96 voice/data channels.

Note: The equipment listed below is required to operate one  
unit of the FOX-2R system (the FOX-2R Unit-I, left  
side, or the FOX-2R Unit-II, right side).

Basic Unit with 1:1 protection:

PART NUMBER	QUANTITY	DESCRIPTION
ACX041G1	1	Unequipped FOX-2R Double Cage
PSX016-1	2	Power Supply
CCA148G1	1	MAIN Light Transmission Unit (LTU) Card
CCA149G1	1	Light Transmission Unit (LTU) Standby
CCA050G1	1	T1 Interface or
CCA006G1	1	T1C Interface
6CA137G21	1	Control MPU

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TABLE C. FOX-2R Full (Two) DS-2 Capabilities (Unprotected)  
Assembly and Part Numbers List

Capabilities: Handles up to eight T1 or four T1C inputs  
for up to 192 voice/data channels.

Note: The equipment listed below is required in order to  
operate both units of the FOX-2R, (FOX-2R Unit-I,  
left side, and the FOX-2R Unit-II, right side).

For two full DS-2 capabilities, the following equipment is required:

PART NUMBER	QUANTITY	DESCRIPTION
ACX041G1	1	Unequipped FOX-2R Double Cage
PSX016-1	1	Power Supply
CCA148G1	2	MAIN Light Transmission Unit (LTU) Card
CCA050G1	2	T1 Interface or
CCA006G1	2	T1C Interface
CCA137G21	2	Control MPU

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TABLE D. FOX-2R Full (Two) DS-2 Capabilities (with 1:1 Protection)

## Assembly and Parts Number List

Capabilities: Handles up to eight T1 or four T1C inputs  
for up to 192 voice/data channels.

Note: The equipment listed below is required to operate  
both units (the FOX-2R Unit-I, left side, and the  
FOX-2R Unit-II, right side) of the FOX-2R system  
with 1:1 protection.

For full two DS-2 capabilities with 1:1 protection, the  
following equipment is required:

PART NUMBER	QUANTITY	DESCRIPTION
ACX041G1	1	Unequipped FOX-2R Double Cage
PSX016-1	2	Power Supply
CCA148G1	2	MAIN Light Transmission Unit (LTU) Card
CCA050G1	2	T1 Interface or
CCA006G1	2	T1C Interface
CCA137G21	2	Control MPU
CCA149G1	2	Light Transmission Unit (LTU)-standby

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TABLE E. FOX-2R Accessories and Options

PART NUMBER	PART DESCRIPTION	QUANTITY REQUIRED
AWX130G*	DS-1 Cable Assembly (Up to 4 per FOX-2R)	1 per DS-1
OSJ004G8	Biconical/FC Patch Cord (SM) 8 ft.	2 per LTU
OSJ004G15	Biconical/FC Patch Cord (SM) 15 ft.	2 per LTU
OSP002G	Pigtail, Single Mode, FC-Type	

#### FIBER OPTIC CONNECTOR PLATES - FOX-2R ONLY

AXX057G1	With FC Sleeves	1
AXX057G2	With Biconical Sleeves	1

#### ACCESSORIES - MODULES

CCA058G1E	Maintenance Interface Card	1
CCA181G1	Loopback Card Initiates DS-2 loopback from the FOX-2R.	1
CCA158G1E	Remote Alarm Card (RAC) Provides up to eight alarm and eight control points.	Up to 2
CCA176G1	T1 Monitor Card Monitors individual T1 channels when placed in the maintenance slot.	1
ACX033G1	23" Air Baffle/Fiber Trough Used for thermal control and fiber management when several LTUs are placed in a multiplexer.	
AWX163G1	Remote Alarm Cable Assembly 37 pin to 50 pin connector	1 required for each RAG

AWX162G\* Remote Alarm Cable Assembly Max. 3  
37 pin to wire wrap

\* Denotes length in feet (increments of 5 ft.).

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TABLE E. FOX-2R Accessories and Options (Cont.)

PART NUMBER	PART DESCRIPTION	QUANTITY REQUIRED
AWX169G*	Power cable: FOX-2R to 828A fuse panel.	1
AWX166G*	Power cable: FOX-2R to 828 fuse panel.	1
AWX164G*	TELTRAC cable: FOX-2R to 828/M560	1
AWX165G1	TELTRAC cable: FOX-2R to Female DB25	1
AWX165G2	TELTRAC cable: FOX-2R to Male DB25	1
AWX167G*	TELTRAC cable: FOX-2R to 828A	1
AWX168G*	TELTRAC cable: FOX-2R to Service Channel	1
AWX160	FOX-2R Ground Strap	1
AWX137G*	Ribbon cable: FOX-2R to 828 (60 pin to 40 pin connector)	1
AWX104G4	Ribbon Cable: FOX-2R to 828A and FOX-2R to FOX-2R (12 inches)	1
OSR001	7' x 19" Rack	
OSR002	11'6" x 19" Rack	
OSH007	Adapter pair (1.75 - 1.75) 4 rack spaces for mounting the 19" FOX-2R into a 23" wide rack.	

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## SECTION 831-100-003

### 3. ORDERING INFORMATION

3.01 For information concerning the FOX-2R and parts availability contact  
Telco Systems Order Administration Department in Norwood, MA at (617)  
551-0300.

3.02 To expedite the shipment of parts, a valid Purchase Order Number must  
be provided at the time the order is placed.

3.03 Alternatively, a Telco System Telephone Order Form (see Figure 1)  
accompanied by a valid Purchase Order Number can be sent to the Order  
Administration Department.

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## SECTION 831-100-003

## Telephone Equipment Order

TELCO PURCHASE ORDER NO. \_\_\_\_\_

[illegible]

Figure 1. Telephone Equipment Order Form