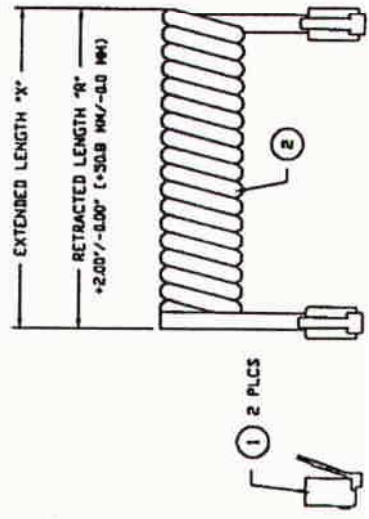


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A B C D E F G H



WIRE DIAGRAM

P1	P2
1	BLACK
2	RED
3	GREEN
4	YELLOW

H1441-14C-ND
 H1442-14C-ND
 H1443-14C-ND
 H1441-10C-ND
 H1442-10C-ND
 H1443-10C-ND
 H1441-07C-ND
 H1442-07C-ND
 H1443-07C-ND
 H1441-05C-ND
 H1442-05C-ND
 H1443-05C-ND

CUSTOMER APPROVAL
ENGR. SIGN *Matt Danner*
DATE: 4-13-99

NOTES: UNLESS OTHERWISE SPECIFIED.

1. TEST CABLE FOR ALL OPENS & SHORTS.
2. PACKAGE CABLE ASSEMBLY INDIVIDUALLY IN PLASTIC BAG. PACKAGE INDIVIDUAL BAG PER LOT NUMBER QUANTITIES.

ITEM	QTY	PCS	MTG	IOI PART NO.	DESCRIPTION
2				SEE "TABULATION BLOCK"	MODULAR COIL CABLE, 26 AVG (7/34) BARE COPPER, 4 CONDUCTOR, UNSHIELDED, PVC JACKET, (SEE TABULATION BLOCK FOR COLOR).
1	2	PCS	IOI	305-441-50X	CONNECTION, MODULAR PLUG, 4 POSITION, 4 CONDUCTOR, 50.8" AL, FLAT TYPE EXIT.

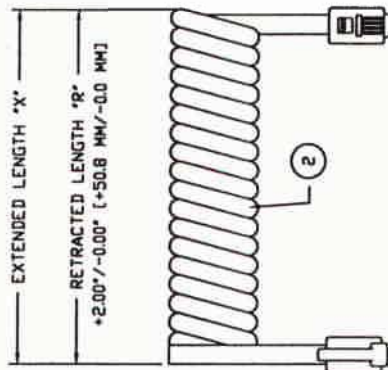
CABLE ASSEMBLY PARTS LIST

444-144-515-D	121-410-022	14.0 FT (4.3 M)	34.0 IN (863.6 MM)	WHITE
444-144-514-D	121-410-012	14.0 FT (4.3 M)	34.0 IN (863.6 MM)	BLACK
444-144-513-D	121-410-002	14.0 FT (4.3 M)	34.0 IN (863.6 MM)	SILVER SATIN
444-104-512-D	121-410-021	10.0 FT (3.0 M)	20.0 IN (508.0 MM)	WHITE
444-104-511-D	121-410-011	10.0 FT (3.0 M)	20.0 IN (508.0 MM)	BLACK
444-104-510-D	121-410-001	10.0 FT (3.0 M)	20.0 IN (508.0 MM)	SILVER SATIN
444-074-515-D	121-410-020	7.0 FT (2.1 M)	21.0 IN (533.4 MM)	WHITE
444-074-514-D	121-410-010	7.0 FT (2.1 M)	21.0 IN (533.4 MM)	BLACK
444-074-513-D	121-410-000	7.0 FT (2.1 M)	21.0 IN (533.4 MM)	SILVER SATIN
444-054-512-D	121-410-023	5.0 FT (1.5 M)	17.0 IN (431.8 MM)	WHITE
444-054-511-D	121-410-013	5.0 FT (1.5 M)	17.0 IN (431.8 MM)	BLACK
444-054-510-D	121-410-003	5.0 FT (1.5 M)	17.0 IN (431.8 MM)	SILVER SATIN

TABULATION BLOCK

THIRD ANGLE PROJECTION		I/O INTERCONNECT SANTA ANA, CALIFORNIA	
UNLESS OTHERWISE NOTED, DIMENSIONS ARE IN INCHES (MILLIMETERS). TOLERANCES: XXX ± 0.25 (6.35)		404C/APAC COIL CABLE, STANDARD STYLE, CABLE ASSEMBLY PART NO. 444-144-515-D REV. 001 KEY	
SCALE: NONE		SHEET 1 OF 1	

A	B	C	D	E	F	G	H
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DWG. NO.	ZONE	REV.	DESCRIPTION	DATE	APPROVED		
XX4-50X-D		X1	CUSTOMER APPROVAL	03/25/99	E.V.		
		X2	ADD RETRACTED LENGTH	03/29/99	E.V.		



WIRE DIAGRAM

P1	P2
1	BLACK
2	RED
3	GREEN
4	YELLOW

1 2 PLCS



P1



P2



CUSTOMER APPROVAL

ENGR. SIGN Mathy Nasser

DATE: 4-13-99

NOTES: UNLESS OTHERWISE SPECIFIED.

1. TEST CABLE FOR ALL OPENS & SHORTS.

2. PACKAGE CABLE ASSEMBLY INDIVIDUALLY IN PLASTIC BAG. PACKAGE INDIVIDUAL BAG PER LOT NUMBER QUANTITIES.

TABULATION BLOCK

IOI PART NUMBER	IOI CABLE PART NUMBER	EXTENDED LENGTH "X"	RETRACTED LENGTH "R"	COLOR
444-144-505-D	121-410-022	14.0 FT (4.3 M)	34.0 IN (863.6 MM)	WHITE
444-144-504-D	121-410-012	14.0 FT (4.3 M)	34.0 IN (863.6 MM)	BLACK
444-144-503-D	121-410-002	14.0 FT (4.3 M)	34.0 IN (863.6 MM)	SILVER SATIN
444-104-502-D	121-410-021	10.0 FT (3.0 M)	30.0 IN (762.0 MM)	WHITE
444-104-501-D	121-410-011	10.0 FT (3.0 M)	30.0 IN (762.0 MM)	BLACK
444-104-500-D	121-410-001	10.0 FT (3.0 M)	30.0 IN (762.0 MM)	SILVER SATIN
444-074-505-D	121-410-020	7.0 FT (2.1 M)	21.0 IN (533.4 MM)	WHITE
444-074-504-D	121-410-010	7.0 FT (2.1 M)	21.0 IN (533.4 MM)	BLACK
444-074-503-D	121-410-000	7.0 FT (2.1 M)	21.0 IN (533.4 MM)	SILVER SATIN
444-054-502-D	121-410-023	5.0 FT (1.5 M)	17.0 IN (431.8 MM)	WHITE
444-054-501-D	121-410-013	5.0 FT (1.5 M)	17.0 IN (431.8 MM)	BLACK
444-054-500-D	121-410-003	5.0 FT (1.5 M)	17.0 IN (431.8 MM)	SILVER SATIN

THIRD ANGLE PROJECTION



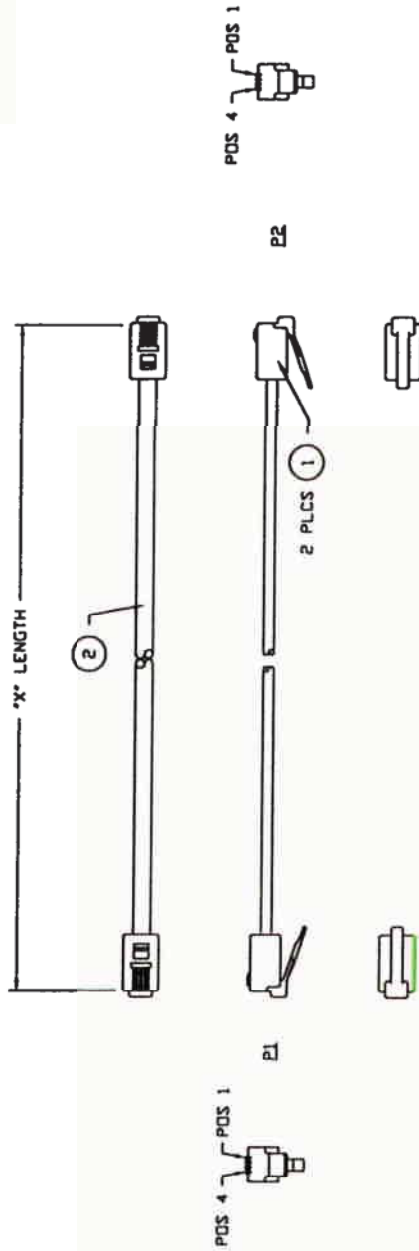
UNLESS OTHERWISE NOTED:
1) DIMENSIONS ARE IN INCHES (MILLIMETER)
2) TOLERANCES:
XXX ± 0.25 (6.35)

I/O INTERCONNECT
SANTA ANA, CALIFORNIA

ITEM	QTY	MFG.	IOI PART NO.	DESCRIPTION
2	2 PCS	IOI	325-441-50X	MODULAR COIL CABLE, 26 AWG (7/34) BARE COPPER, 4 CONDUCTOR, UNSHIELDED, PVC JACKET, (SEE TABULATION BLOCK FOR COLOR).
1	1	IOI	325-441-50X	CONNECTOR, MODULAR PLUG, 4 POSITION, 4 CONDUCTOR, 50u" AU, FLAT TYPE EXIT.
CABLE ASSEMBLY PARTS LIST				
SCALE: NONE DRAWN: [Signature] CHECKED: [Signature] DATE: [Signature] REV. 1 OF 1				

A		B	C	D	E	F	G	H
DVG. NO.		ZONE	REV.	DESCRIPTION		CUSTOMER APPROVAL	DATE	APPROVED
XX4-510-D			X1				03/24/99	E.V.

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WIRE DIAGRAM

P1		P2
1	BLACK	4
2	RED	3
3	GREEN	2
4	YELLOW	1

CUSTOMER APPROVAL
ENGR. SIGN Math Amie
DATE: 4-12-99

NOTES: UNLESS OTHERWISE SPECIFIED.

- CABLE TO BE BUNDLED AND TWIST TIED.
- TEST CABLE FOR ALL OPENS & SHORTS.
- PACKAGE CABLE ASSEMBLY INDIVIDUALLY IN PLASTIC BAG. PACKAGE INDIVIDUAL BAG PER LOT NUMBER QUANTITIES.

ITEM	QTY	MFG.	IOI PART NO.	DESCRIPTION
2	2 PCS	IOI	120-410-000	MODULAR CABLE, 26 AVG (7/34) BARE COPPER, 4 CONDUCTOR, UNSHIELDED, SILVER SATIN PVC.
1	2 PCS	IOI	325-441-50X	CONNECTOR, MODULAR PLUG, 4 POSITION, 4 CONDUCTOR, 50u" AU, FLAT TYPE EXIT.

CABLE ASSEMBLY PARTS LIST

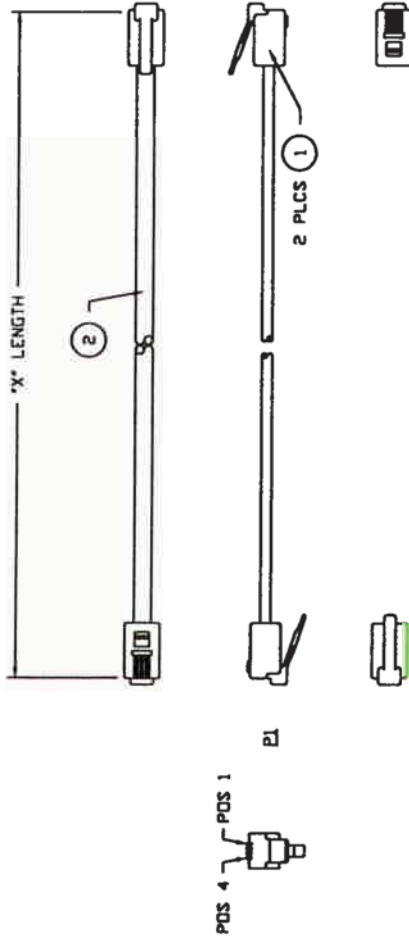
444-254-510-D	25.0 FT ± 4.0 IN 7.62 M ± 101.6 MM
444-144-510-D	14.0 FT ± 3.0 IN 4.27 M ± 76.2 MM
444-074-510-D	7.0 FT ± 2.0 IN 2.13 M ± 50.8 MM
PART NUMBER	LENGTH "X"

I/O INTERCONNECT	
SANTA ANA, CALIFORNIA	
REV. X1	REV. X1
DATE	DATE
DESIGNED BY	DESIGNED BY
CHECKED BY	CHECKED BY
APPROVED BY	APPROVED BY
CUSTOMER	CUSTOMER
SCALE	SCALE
SHEET 1 OF 1	SHEET 1 OF 1



THIRD ANGLE PROJECTION
UNLESS OTHERWISE NOTED:
1) DIMENSIONS ARE IN INCHES (MILLIMETER)
2) TOLERANCES:
XXX ± 0.25 (6-35)

A	B	C	D	E	F	G	H
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WIRE DIAGRAM

P1	1	BLACK	P2	1
	2	RED		2
	3	GREEN		3
	4	YELLOW		4

CUSTOMER APPROVAL

ENGR. SIGN Matt James

DATE: 4-12-99

NOTES: UNLESS OTHERWISE SPECIFIED.

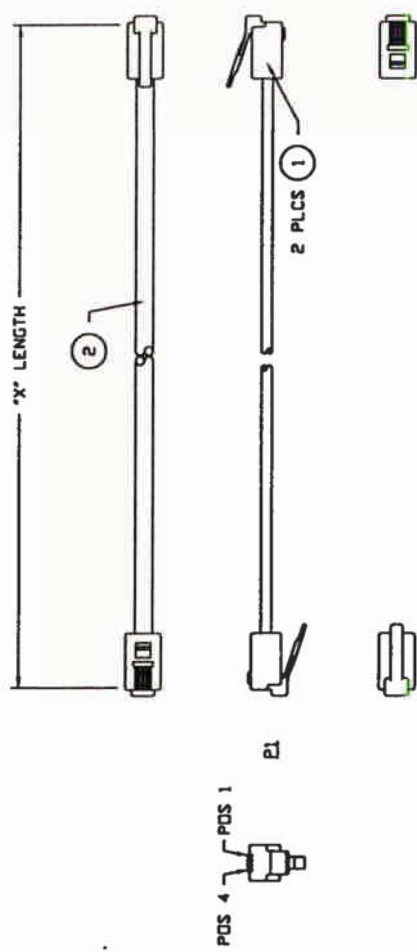
1. CABLE TO BE BUNDLED AND TWIST TIED.
2. TEST CABLE FOR ALL OPENS & SHORTS.
3. PACKAGE CABLE ASSEMBLY INDIVIDUALLY IN PLASTIC BAG. PACKAGE INDIVIDUAL BAG PER LOT NUMBER QUANTITIES.

THIRD ANGLE PROJECTION		I/O INTERCONNECT		SANTA ANA, CALIFORNIA	
UNLESS OTHERWISE NOTED, DIMENSIONS ARE IN INCHES (MILLIMETER) TOLERANCES: .XXX ± 0.25 (6.35)		TITLE: 4P4C MODULAR, REVERT STYLE, BLACK, CABLE ASSEMBLY		PART NO: 444-XX4-501-D	
DRAWING NO: 444-XX4-501-D		CUSTOMER: DIGI KEY		REV. X1	
SCALE: NONE		SHEET 1 OF 1			

2	"X"	101	120-410-010	MODULAR CABLE, 26 AWG (7/34) BARE COPPER, 4 CONDUCTOR, UNSHIELDED, BLACK PVC.	
1	2 PCS	101	325-441-50X	CONNECTOR, MODULAR PLUG, 4 POSITION, 4 CONDUCTOR, 50u" AU, FLAT TYPE EXIT.	
ITEM	QTY	MFG.	IOI PART NO.	DESCRIPTION	

CABLE ASSEMBLY PARTS LIST

A	B	C	D	E	F	G	H
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					ZONE	DESCRIPTION	APPROVED E.V.



WIRE DIAGRAM

P1	P2
1	BLACK
2	RED
3	GREEN
4	YELLOW

CUSTOMER APPROVAL
ENGR. SIGN Y. Math. Lamer
DATE: 4-12-99

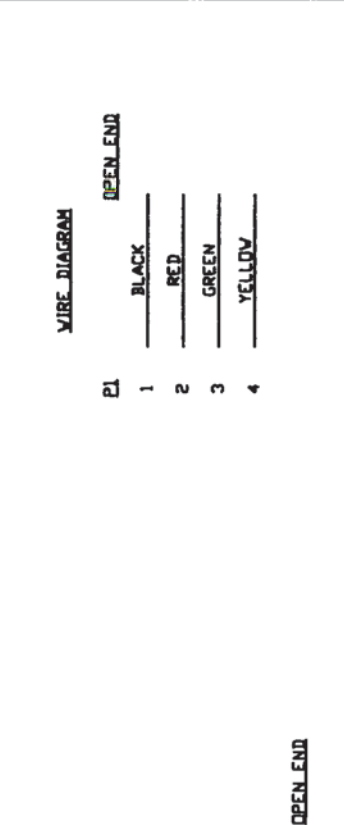
- NOTES: UNLESS OTHERWISE SPECIFIED.
- CABLE TO BE BUNDLED AND TWIST TIED.
 - TEST CABLE FOR ALL OPENS & SHORTS.
 - PACKAGE CABLE ASSEMBLY INDIVIDUALLY IN PLASTIC BAG. PACKAGE INDIVIDUAL BAG PER LOT NUMBER QUANTITIES.

444-254-500-D	25.0 FT ± 4.0 IN 7.62 M ± 101.6 MM
444-144-500-D	14.0 FT ± 3.0 IN 4.27 M ± 76.2 MM
444-074-500-D	7.0 FT ± 2.0 IN 2.13 M ± 50.8 MM
PART NUMBER I/O INTERCONNECT	LENGTH "X"

THIRD ANGLE PROJECTION		I/O INTERCONNECT	
		SANTA ANA, CALIFORNIA	
UNLESS OTHERWISE NOTED 1) DIMENSIONS ARE IN INCHES (MILLIMETER) 2) TOLERANCES X.XX ± 0.25 (6.35)		4P4C MODULAR, REVERT STYLE, SILVER SATIN, CABLE ASSEMBLY PART NO. 444-XX4-500-D DWG NO. 444-XX4-500-D CUSTOMER DIGI KEY REV. X1	
SCALE		SHEET 1 OF 1	

ITEM	QTY	W'G.	IOI PART NO.	DESCRIPTION
2		IOI	120-410-000	MODULAR CABLE, 26 AVG (7/34) BARE COPPER, 4 CONDUCTOR, UNSHIELDED, SILVER SATIN PVC.
1	2 PCS	IOI	325-441-50X	CONNECTOR, MODULAR PLUG, 4 POSITION, 4 CONDUCTOR, 50u" Au, FLAT TYPE EXIT.

CABLE ASSEMBLY PARTS LIST



WIRE DIAGRAM

PI	1	BLACK	OPEN END
2	RED		
3	GREEN		
4	YELLOW		

CUSTOMER APPROVAL
ENGR. SIGN Y. H. H. H. H.
DATE: 4-12-99

- NOTES: UNLESS OTHERWISE SPECIFIED.
1. CABLE TO BE BUNDLED AND TWIST TIED.
 2. TEST CABLE FOR ALL OPENS & SHORTS.
 3. PACKAGE CABLE ASSEMBLY INDIVIDUALLY IN PLASTIC BAG. PACKAGE INDIVIDUAL BAG PER LOT NUMBER QUANTITIES.

444-254-522-D	25.0 FT ± 4.0 IN 762 M ± 101.6 MM
444-144-522-D	14.0 FT ± 3.0 IN 427 M ± 76.2 MM
444-074-522-D	7.0 FT ± 2.0 IN 213 M ± 50.8 MM
PART NUMBER	LENGTH "X"
I/O INTERCONNECT	

THIRD ANGLE PROJECTION

UNLESS OTHERWISE NOTED
1) DIMENSIONS ARE IN INCHES (MILLIMETER)
2) TOLERANCES:
X.XX ± 0.25 (6.35)

I/O INTERCONNECT

SANTA ANA, CALIFORNIA

TITLE: 4P4C MODULAR TO OPEN END, WHITE, CABLE ASSEMBLY

DATE: 03/24/99

REV: X1

DRAWN BY: E.V.

CHECKED BY: E.V.

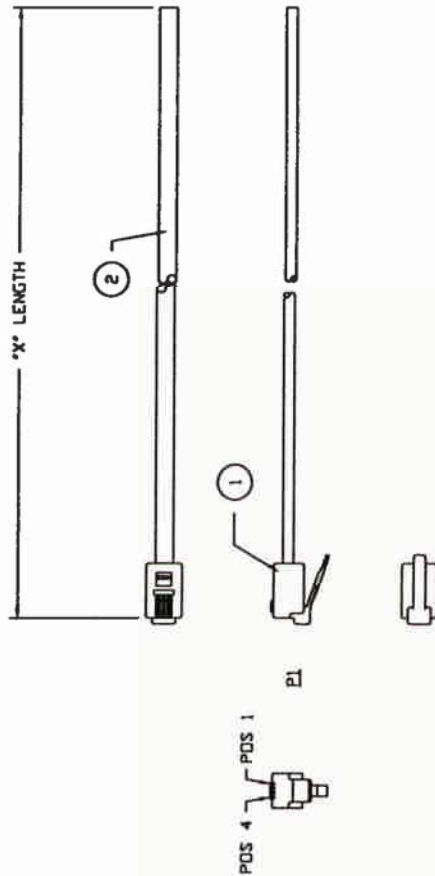
SCALE: NONE

SHEET 1 OF 1

2	"X"	IOI	120-410-020	MODULAR CABLE, 26 AWG (7/34) BARE COPPER, 4 CONDUCTOR, UNSHIELDED, WHITE PVC.
1	1 PC	IOI	325-441-50X	CONNECTOR, MODULAR PLUG, 4 POSITION, 4 CONDUCTOR, 50u" AU, FLAT TYPE EXIT.
ITEM	QTY	MFG.	IOI PART NO.	DESCRIPTION
CABLE ASSEMBLY PARTS LIST				

A		B	C	D	E	F	G	H
DWG. NO.	ZONE	REV.	DESCRIPTION	DATE	APPROVED			
XX4-521-D		X1		03/24/99	E.V.			

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WIRE DIAGRAM

PI	OPEN END
1	BLACK
2	RED
3	GREEN
4	YELLOW

CUSTOMER APPROVAL

ENGR. SIGN Matt Janner

DATE: 4-12-99

NOTES: UNLESS OTHERWISE SPECIFIED.

1. CABLE TO BE BUNDLED AND TWIST TIED.
2. TEST CABLE FOR ALL OPENS & SHORTS.
3. PACKAGE CABLE ASSEMBLY INDIVIDUALLY IN PLASTIC BAG. PACKAGE INDIVIDUAL BAG PER LOT NUMBER QUANTITIES.

H3442-25-ND

H3442-14-ND

H3442-07-ND

444-254-521-D	25.0 FT ± 4.0 IN 7.62 M ± 101.6 MM
444-144-521-D	14.0 FT ± 3.0 IN 4.27 M ± 76.2 MM
444-074-521-D	7.0 FT ± 2.0 IN 2.13 M ± 50.8 MM
PART NUMBER	LENGTH "X"

THIRD ANGLE PROJECTION



UNLESS OTHERWISE NOTED:
1) DIMENSIONS ARE IN INCHES (MILLIMETER)
2) TOLERANCES:
XXX ± 0.25 (6.35)

I/O INTERCONNECT
SANTA ANA, CALIFORNIA

IN. IN.	CHINA IN.	IN. IN.	IN. IN.
444-254-521-D	444-144-521-D	444-074-521-D	444-XX4-521-D
444-254-521-D	444-144-521-D	444-074-521-D	444-XX4-521-D
444-254-521-D	444-144-521-D	444-074-521-D	444-XX4-521-D
444-254-521-D	444-144-521-D	444-074-521-D	444-XX4-521-D

MODULAR CABLE, 26 AWG (7/34) BARE COPPER, 4 CONDUCTOR, UNSHIELDED, BLACK PVC.

CONNECTOR, MODULAR PLUG, 4 POSITION, 4 CONDUCTOR, 50u" AU, FLAT TYPE EXIT.

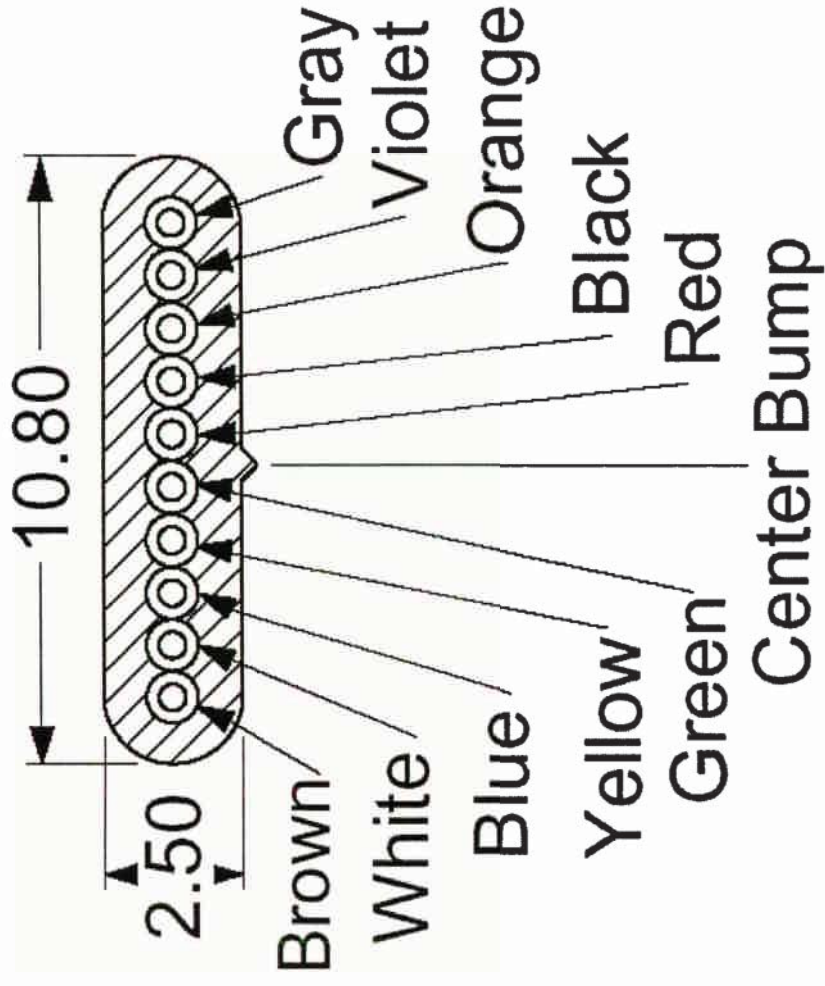
DESCRIPTION

CABLE ASSEMBLY PARTS LIST

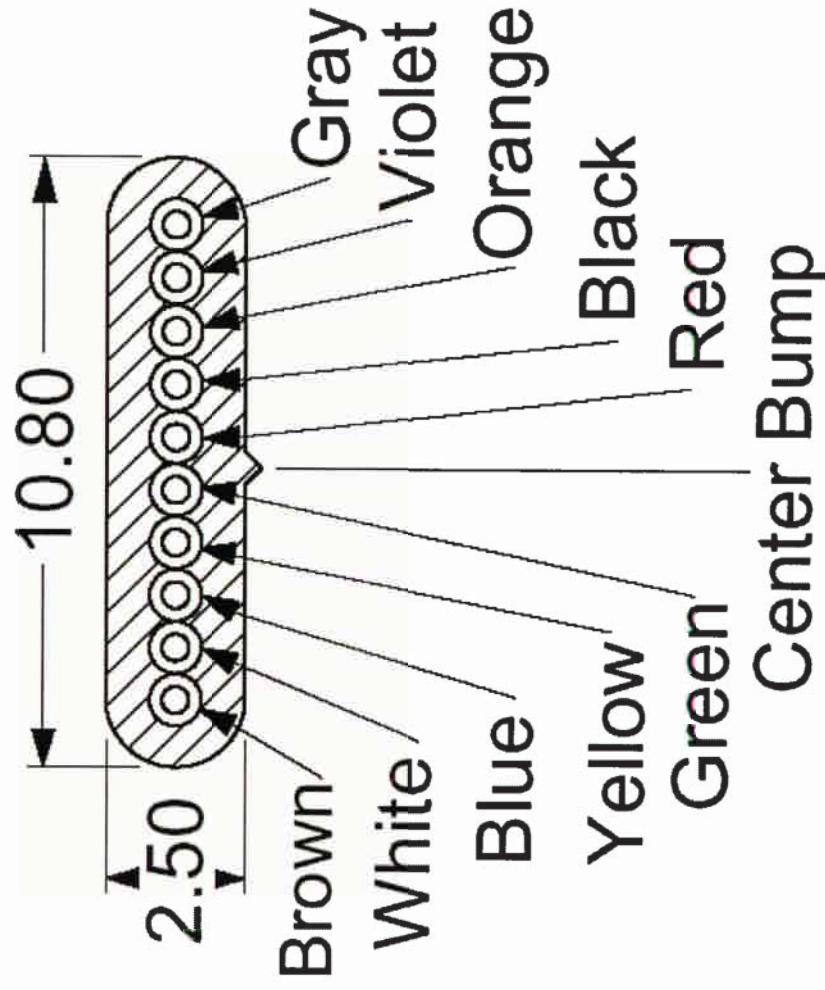
ITEM	QTY	NFG.	IOI PART NO.	DESCRIPTION
2	1	IOI	120-410-010	MODULAR CABLE, 26 AWG (7/34) BARE COPPER, 4 CONDUCTOR, UNSHIELDED, BLACK PVC.
1	1	IOI	325-441-50X	CONNECTOR, MODULAR PLUG, 4 POSITION, 4 CONDUCTOR, 50u" AU, FLAT TYPE EXIT.

SCALE: NONE SHEET 1 OF 1

View Ridge Up 10-Conductor Cable



View Ridge Up 10-Conductor Cable



2.13 IN (7.30 FT) EXTENDED LENGTH MINIMUM

RETRACTED LENGTH "N" + 50.85/- 0.00 (+ 2.00/- 0.003)

100.00 ± 0.10 (3.937 ± 0.394)

Ø "N"



NOTES

- 1.0 MATERIAL AND SPECIFICATIONS
- 1.01 CONDUCTORS 26 AWG (26/112 MD) STRANDED BARE COPPER
- 1.02 INSULATION POLYPROPYLENE
- 1.03 COLOR PER CALOUT
- 1.04 PACKAGING SEE PAGE 29
- 2.0 ELECTRICAL CHARACTERISTICS
- 2.01 TEMPERATURE & VOLTAGE RATING 80°C 30 V
- 2.02 CONDUCTORS RESISTANCES 140 OHM/CM MAX AT 20°C
- 2.03 INSULATION RESISTANCE 100 MEGOHMS/CM MIN AT 20°C
- 2.04 CAPACITANCE 5 PF/FT MAX
- 2.05 DIELECTRIC TEST 50-500V PER 1 MINUTE
- 3.0 PACKAGING SPECIFICATION
- 3.01 USE CLEAR TAPE TO BUNDLE 25 CABLES TOGETHER AT THE END SECTION
- 3.02 PLACE PLASTIC BAG IN SHIPPING BOX AND LAY 10 BUNDLE IN 250 PIECES MAX PER SHIPPING BOX
- 3.03 CLOSE PLASTIC BAG AND SEAL BOX ALONG 3 SURFACES WITH TAPE

4	55140	12.000	L=12.00" X W=5.50" X H=5.81"
6	69960	24.000	L=12.00" X W=5.50" X H=9.80"
8	74100	36.000	L=12.00" X W=5.50" X H=13.81"
10	78740	48.000	L=12.00" X W=5.50" X H=17.81"
CONDUCTIONS NUMBER OF	MILLIETERS	INCHES	DIVISION MAX
	RETRACTED LENGTH "4"		OUTSIDE SHIPPING BOX
TABULATION BLOCK			
 L/I/O INTERCONNECT SANTA ANA, CALIFORNIA			
 THIRD ANGLE PROJECTION		26 ANG 12/21/82 MD BARE COPPER 750 FT EXTENDER, NON-UL, UNSHIELDED, MODULAR CABLE	
		PART NO 101-1010-1010 COUNTRY I/O INTERCONNECT COUNTRY C COUNTRY 2 OF 2	
UNLESS OTHERWISE NOTED 1) DIMENSIONS ARE IN MILLIMETER (INCHES) 2) TOLERANCES .XX ± .020 (0.080) .XXX ± .025 (0.0250)			