

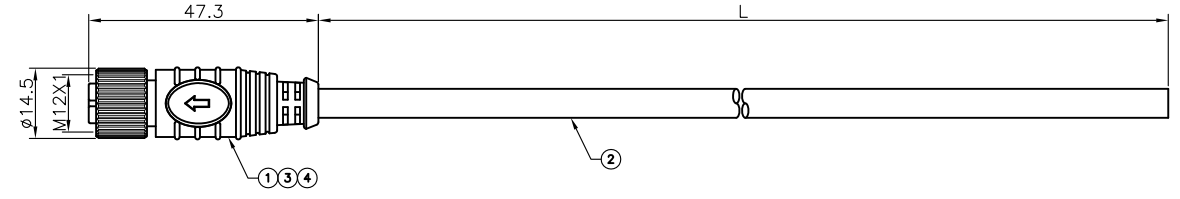
Pin	A Coding	D Coding	Part No.	Cable Length	Cable Gauge
2Pin			M12-02SXSD0500	500±40	22AWG
			M12-02SXSD1000	1000±40	
			M12-02SXSD1500	1500±40	
			M12-02SXSD3000	3000±60	
3Pin			M12-03SXSD0500	500±40	22AWG
			M12-03SXSD1000	1000±40	
			M12-03SXSD1500	1500±40	
			M12-03SXSD3000	3000±60	
4Pin			M12-04SXSD0500	500±40	22AWG
			M12-04SXSD1000	1000±40	
			M12-04SXSD1500	1500±40	
			M12-04SXSD3000	3000±60	
5Pin			M12-05SXSD0500	500±40	22AWG
			M12-05SXSD1000	1000±40	
			M12-05SXSD1500	1500±40	
			M12-05SXSD3000	3000±60	
6Pin			M12-06SASD0500	500±40	24AWG
			M12-06SASD1000	1000±40	
			M12-06SASD1500	1500±40	
			M12-06SASD3000	3000±60	
7Pin			M12-07SASD0500	500±40	24AWG
			M12-07SASD1000	1000±40	
			M12-07SASD1500	1500±40	
			M12-07SASD3000	3000±60	
8Pin			M12-08SASD0500	500±40	24AWG
			M12-08SASD1000	1000±40	
			M12-08SASD1500	1500±40	
			M12-08SASD3000	3000±60	
9Pin			M12-09SASD0500	500±40	26AWG
			M12-09SASD1000	1000±40	
			M12-09SASD1500	1500±40	
			M12-09SASD3000	3000±60	
10Pin			M12-10SASD0500	500±40	26AWG
			M12-10SASD1000	1000±40	
			M12-10SASD1500	1500±40	
			M12-10SASD3000	3000±60	
11Pin			M12-11SASD0500	500±40	26AWG
			M12-11SASD1000	1000±40	
			M12-11SASD1500	1500±40	
			M12-11SASD3000	3000±60	
12Pin			M12-12SASD0500	500±40	26AWG
			M12-12SASD1000	1000±40	
			M12-12SASD1500	1500±40	
			M12-12SASD3000	3000±60	

RoHS Compliant

A Coding



D Coding



Specifications:  
 Standard:IEC 61076-2-101  
 Current Rating:4A(2~5P);2A(6~8P);1.5A(9~12P)AC/DC  
 Voltage Rating:250V(2~4P);60V(5P);30V(6~12P)AC/DC  
 Contact Resistance:5ohm Max.  
 Insulation Resistance:10M ohm Min., DC 450V  
 Operating Temperature:-40°C~80°C  
 IP Rating: IP67 in Locked Condition  
 M12-XXSXSDXXXX

- Cable Length
- Straight
- A:A Coding D:D Coding
- S:Socket
- No.of Contacts

ITEM	PART NO.	DESCRIPTION	Q'TY
1	M12-XXS-A/D-MM	M12 SOCKET SOLDER TYPE	1
2	Cable	UL20549 XXC TPU JACKET HALOGEN FREE COLOR:BLACK	A/R
3	827-TPU-BK	TPU OUTER MOLDING COLOR:BLACK	A/R
4	827-PVC-35P-BK	PVC INNER MOLDING COLOR:BLACK	A/R

F			
E			
D			
C			
B			
A	30-Jun-2022		Andrew
REV	DATE	FILE	BY

DRAWN:	Andrew
CHECKED:	Bill He
APPROVAL:	Bill He

**GENERAL TOLERANCE:**  
 .X=±0.50  
 .XX=±0.30

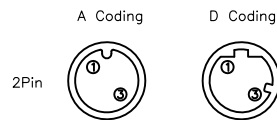
**UNIT: MM**  
**SCALE: 1:1**  
**SHEET: 1/3**  
**PROJECTION:**

**OST**  
**ON-SHORE TECHNOLOGY, INC.**

**DESCRIPTION:**  
 M12 SOCKET OVER-MOULDING CABLES STRAIGHT TYPE

**PART NO:**  
 M12-XXSXSDXXXX

A  
B  
C  
D



2P PIN OUT:

P1	Black
1	Black
3	Red

ITEM	PART NO.	DESCRIPTION	Q'TY
1	M12-02S-A/D-MM	M12 2PIN SOCKET SOLDER TYPE	1
2	810D-22W2CWXXHFBK	UL20549 22AWGX2C TPU JACKET HALOGEN FREE OD:XX COLOR:BLACK	A/R
3	827-TPU-BK	TPU OUTER MOLDING COLOR:BLACK	A/R
4	827-PVC-35P-BK	PVC INNER MOLDING COLOR:BLACK	A/R



3P PIN OUT:

P1	Black
1	Red
3	Yellow
4	Yellow

ITEM	PART NO.	DESCRIPTION	Q'TY
1	M12-03S-A/D-MM	M12 3PIN SOCKET SOLDER TYPE	1
2	810D-22W3CW4.2HFBK	UL20549 22AWGX3C TPU JACKET HALOGEN FREE OD:4.2 COLOR:BLACK	A/R
3	827-TPU-BK	TPU OUTER MOLDING COLOR:BLACK	A/R
4	827-PVC-35P-BK	PVC INNER MOLDING COLOR:BLACK	A/R



4P PIN OUT:

P1	Black
1	Brown
2	Blue
3	Green
4	Green

ITEM	PART NO.	DESCRIPTION	Q'TY
1	M12-04S-A/D-MM	M12 4PIN SOCKET SOLDER TYPE	1
2	810D-22W4CW4.6HFBK	UL20549 22AWGX4C TPU JACKET HALOGEN FREE OD:4.6 COLOR:BLACK	A/R
3	827-TPU-BK	TPU OUTER MOLDING COLOR:BLACK	A/R
4	827-PVC-35P-BK	PVC INNER MOLDING COLOR:BLACK	A/R



5P PIN OUT:

P1	Black
1	Red
2	Green
3	Yellow
4	White
5	White

ITEM	PART NO.	DESCRIPTION	Q'TY
1	M12-05S-A/D-MM	M12 5PIN SOCKET SOLDER TYPE	1
2	810D-22W5CW5.0HFBK	UL20549 22AWGX5C TPU JACKET HALOGEN FREE OD:5.0 COLOR:BLACK	A/R
3	827-TPU-BK	TPU OUTER MOLDING COLOR:BLACK	A/R
4	827-PVC-35P-BK	PVC INNER MOLDING COLOR:BLACK	A/R



6P PIN OUT:

P1	Black
1	Brown
2	Red
3	Yellow
4	Green
5	Blue
6	Blue

ITEM	PART NO.	DESCRIPTION	Q'TY
1	M12-06S-A-MM	M12 6PIN SOCKET SOLDER TYPE	1
2	810D-24W6CW5.0HFBK	UL20549 24AWGX6C TPU JACKET HALOGEN FREE OD:5.0 COLOR:BLACK	A/R
3	827-TPU-BK	TPU OUTER MOLDING COLOR:BLACK	A/R
4	827-PVC-35P-BK	PVC INNER MOLDING COLOR:BLACK	A/R



7P PIN OUT:

P1	Black
1	Brown
2	Red
3	Yellow
4	Green
5	Blue
6	Blue
7	Gray

ITEM	PART NO.	DESCRIPTION	Q'TY
1	M12-07S-A-MM	M12 7PIN SOCKET SOLDER TYPE	1
2	810D-24W7CWXXHFBK	UL20549 24AWGX7C TPU JACKET HALOGEN FREE OD:XX COLOR:BLACK	A/R
3	827-TPU-BK	TPU OUTER MOLDING COLOR:BLACK	A/R
4	827-PVC-35P-BK	PVC INNER MOLDING COLOR:BLACK	A/R



8P PIN OUT:

P1	Black
1	Brown
2	Red
3	Yellow
4	Green
5	Blue
6	Gray
7	Gray
8	White

ITEM	PART NO.	DESCRIPTION	Q'TY
1	M12-08S-A-MM	M12 8PIN SOCKET SOLDER TYPE	1
2	810D-24W8CW5.4HFBK	UL20549 24AWGX8C TPU JACKET HALOGEN FREE OD:5.4 COLOR:BLACK	A/R
3	827-TPU-BK	TPU OUTER MOLDING COLOR:BLACK	A/R
4	827-PVC-35P-BK	PVC INNER MOLDING COLOR:BLACK	A/R

F			
E			
D			
C			
B			
A	30-Jun-2022	Andrew	Andrew
REV	DATE	FILE	BY

DRAWN: Andrew

CHECKED: Bill He

APPROVAL: Bill He

GENERAL TOLERANCE:

.X=±0.50  
.XX=±0.30

UNIT: MM

SCALE: 1:1

SHEET: 2/3

PROJECTION:

ON-SHORE TECHNOLOGY, INC.

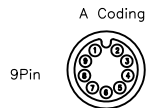
DESCRIPTION:  
M12 SOCKET OVER-MOULDING CABLES STRAIGHT TYPE

PART NO:  
M12-XXSXSXXXX

A

B

D



9P PIN OUT:

P1	
1	Black
2	Brown
3	Red
4	Orange
5	Yellow
6	Green
7	Blue
8	Purple
9	Gray

ITEM	PART NO.	DESCRIPTION	Q'TY
1	M12-09S-A-MM	M12 9PIN SOCKET SOLDER TYPE	1
2	810D-26W9CWXXHFBK	UL20549 26AWGX9C TPU JACKET HALOGEN FREE OD:XX COLOR:BLACK	A/R
3	827-TPU-BK	TPU OUTER MOLDING COLOR:BLACK	A/R
4	827-PVC-35P-BK	PVC INNER MOLDING COLOR:BLACK	A/R



10P PIN OUT:

P1	
1	Black
2	Brown
3	Red
4	Orange
5	Yellow
6	Green
7	Blue
8	Purple
9	Gray
10	White

ITEM	PART NO.	DESCRIPTION	Q'TY
1	M12-10S-A-MM	M12 10PIN SOCKET SOLDER TYPE	1
2	810D-26W10CWXXHFBK	UL20549 26AWGX10C TPU JACKET HALOGEN FREE OD:XX COLOR:BLACK	A/R
3	827-TPU-BK	TPU OUTER MOLDING COLOR:BLACK	A/R
4	827-PVC-35P-BK	PVC INNER MOLDING COLOR:BLACK	A/R



11P PIN OUT:

P1	
1	Black
2	Brown
3	Red
4	Orange
5	Yellow
6	Green
7	Blue
8	Purple
9	Gray
10	White
11	Pink

ITEM	PART NO.	DESCRIPTION	Q'TY
1	M12-11S-A-MM	M12 11PIN SOCKET SOLDER TYPE	1
2	810D-26W11CWXXHFBK	UL20549 26AWGX11C TPU JACKET HALOGEN FREE OD:XX COLOR:BLACK	A/R
3	827-TPU-BK	TPU OUTER MOLDING COLOR:BLACK	A/R
4	827-PVC-35P-BK	PVC INNER MOLDING COLOR:BLACK	A/R



12P PIN OUT:

P1	
1	Black
2	Brown
3	Red
4	Orange
5	Yellow
6	Green
7	Blue
8	Purple
9	Gray
10	White
11	Pink
12	Light green

ITEM	PART NO.	DESCRIPTION	Q'TY
1	M12-12S-A-MM	M12 12PIN SOCKET SOLDER TYPE	1
2	810D-26W12CW5.8HFBK	UL20549 26AWGX12C TPU JACKET HALOGEN FREE OD:5.8 COLOR:BLACK	A/R
3	827-TPU-BK	TPU OUTER MOLDING COLOR:BLACK	A/R
4	827-PVC-35P-BK	PVC INNER MOLDING COLOR:BLACK	A/R

F				DRAWN: Andrew	GENERAL TOLERANCE: .X=±0.50 .XX=±0.30	 ON-SHORE TECHNOLOGY, INC.
E						
D				CHECKED: Bill He	UNIT: MM	DESCRIPTION: M12 SOCKET OVER-MOULDING CABLES STRAIGHT TYPE
C					SCALE: 1:1	
B				APPROVAL: Bill He	SHEET: 3/3	PART NO: M12-XXSXSXXXX
A	30-Jun-2022		Andrew		PROJECTION:	
REV	DATE	FILE	BY			