

XS3H Plugs on One Cable End

Model Number Structure

Model Number Legend

Use this model number legend to identify products from their model number. When ordering, use a model number from the table in *Ordering Information*.

XS3H- **2** - -

1 2 3 4 5 6

1. Fastening Method

M: M8
S: S8

2. Connector Poles

3: 3 poles
4: 4 poles

3. Cable Connection Direction

1: Straight
2: Right-angle

4. Connections (Numbers inside circles are terminal numbers)

3: ① Brown, ② Blue, ③ Black
4: ① Brown, ② White, ③ Blue, ④ Black

5. Cable Length

C3: 0.3 m
01: 1 m
02: 2 m
05: 5 m
10: 10 m
20: 20 m

6. Cable Specifications

R: Robot cable
PR: Oil-resistant polyurethane robot cable

Ordering Information

M8 Screw-on Connectors

Cable specifications	No. of cable cores	Cable connection direction	Cable length L (m)	Model	UL
Robot cable	3	Straight	0.3	XS3H-M321-3C3-R	UL2238 certified (File no. E207683)
			1	XS3H-M321-301-R	
	4	Straight	0.3	XS3H-M421-4C3-R	
			1	XS3H-M421-401-R	
			10	XS3H-M421-410-R	
			20	XS3H-M421-420-R	
		Right-angle	0.3	XS3H-M422-4C3-R	
			1	XS3H-M422-401-R	
			10	XS3H-M422-410-R	
			20	XS3H-M422-420-R	
Oil-resistant polyurethane robot cable	4	Straight	1	XS3H-M421-401-PR	---
			2	XS3H-M421-402-PR	
			5	XS3H-M421-405-PR	
			10	XS3H-M421-410-PR	
			20	XS3H-M421-420-PR	
		Right-angle	1	XS3H-M422-401-PR	
			2	XS3H-M422-402-PR	
			5	XS3H-M422-405-PR	
			10	XS3H-M422-410-PR	
			20	XS3H-M422-420-PR	

Note: Ask your OMRON representative about other cable lengths.

S8 Snap-in Connectors

Cable specifications	No. of cable cores	Cable connection direction	Cable length L (m)	Model	UL
Robot cable	4	Straight	0.3	XS3H-S421-4C3-R	---
			1	XS3H-S421-401-R	
		Right-angle	0.3	XS3H-S422-4C3-R	
			1	XS3H-S422-401-R	

Connections

Model	Mating Connectors
XS3H (M8)	XS3F (M8), XS3W (M8), XS3P (M8)
XS3H (S8)	XS3F (S8), XS3W (S8), XS3P (S8)

Note 1. M8 screw models and S8 snap-in models cannot be connected to each other.
 2. Only plugs and sockets with the same poles can be connected to each other.

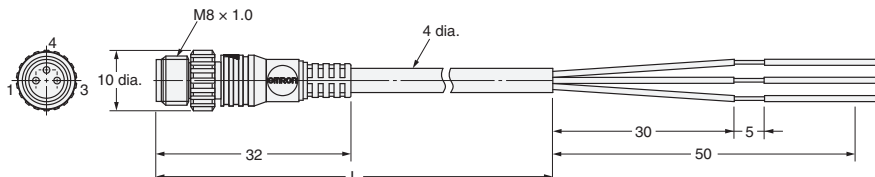
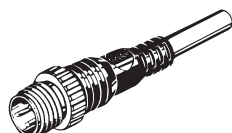
Dimensions

(Unit: mm)

M8 Screw-on Connectors (3 poles)

Straight

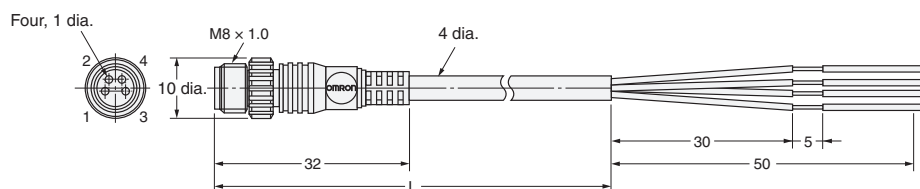
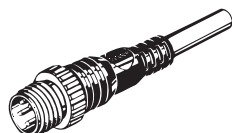
XS3H-M321-3□□-R Robot Cable



M8 Screw-on Connectors (4 poles)

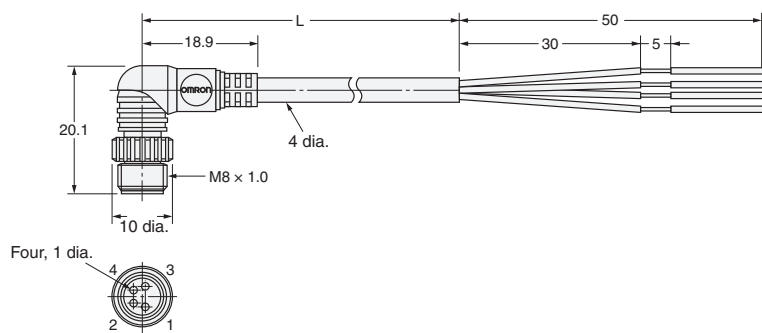
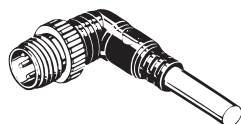
Straight

XS3H-M421-4□□-R Robot Cable



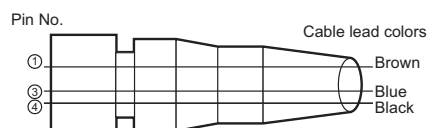
Right-angle

XS3H-M422-4□□-R Robot Cable

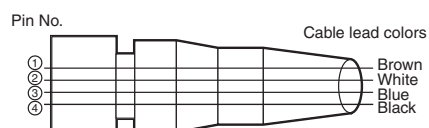


Wiring Diagram

3 Cores



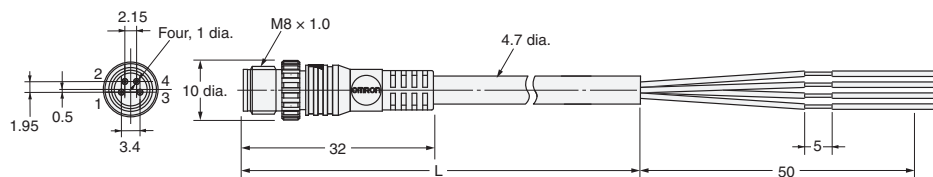
4 Cores



M8 Screw-on Connectors (4 poles)

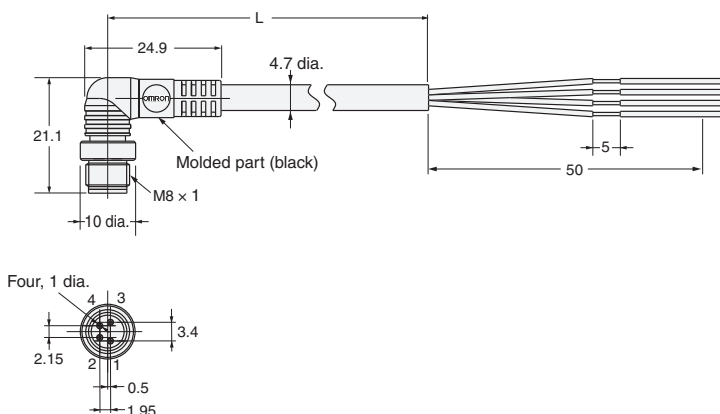
Straight

XS3H-M421-4□□-PR Oil-resistant Polyurethane Robot Cable



Right-angle

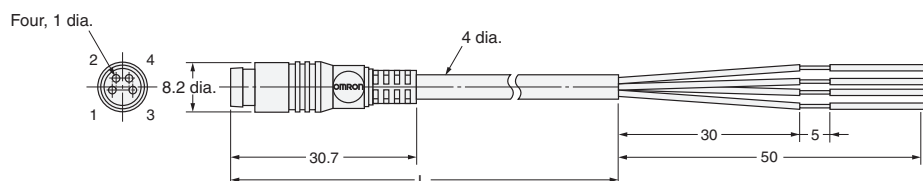
XS3H-M422-4□□-PR Oil-resistant Polyurethane Robot Cable



S8 Snap-in Connectors (4 poles)

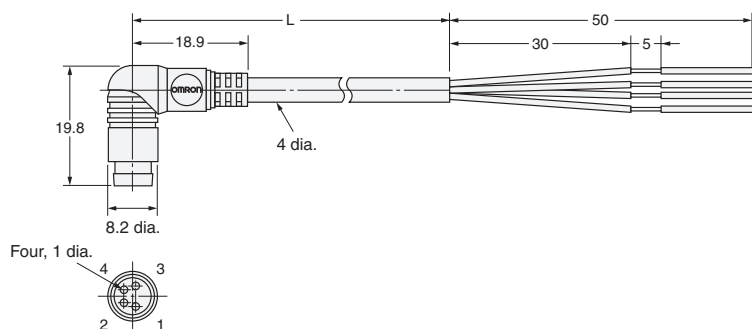
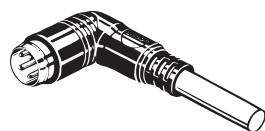
Straight

XS3H-S421-4□□-R Robot Cable



Right-angle

XS3H-S422-4□□-R Robot Cable



Wiring Diagram

4 Cores

