

XS5F

Connectors with Cables, Socket on One Cable End

Model Number Structure

Model Number Legend

XS5F-D42 **0**

1 2 3 4 5 6 7 8 9

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

1. Type

F: Connectors with cables
Socket on one cable end

2. Mating Section Form

D: A-coding (DC type)

3. Connector Poles

4: 4 poles

4. Contact Plating

2: Gold plating

5. Cable Connection Direction

1: Straight
2: Right-angle
3: Straight (4 dia.)
B: Straight (4.7 dia.)
C: Right-angle (4.7 dia.)

6. Cable Length

A: 0.3 m B: 0.5 m C: 1 m
D: 2 m E: 3 m G: 5 m
H: 7 m J: 10 m K: 15 m
L: 20 m

7. Connections (Numbers inside circles are terminal numbers)

8: ① Brown, ② White, ③ Blue, ④ Black
A: ① Brown, ② -, ③ -, ④ Blue (DC)

8. Connectors on One Cable End/ Both Ends

0: One cable end

9. Cable Specifications

F: Fire-retardant, PVC robot cable
S: Fire-retardant, thin PVC robot cable
PR: Oil-resistant polyurethane robot cable
P: Oil-resistant polyurethane cable
SA: Spatter-resistant cable

Ordering Information

Cable specifications	Cable length L (m)	Cable diameter (mm)	Straight Connectors	Right-angle Connectors	UL
			Model	Model	
Fire-retardant, PVC Robot Cable	1	6 dia.	XS5F-D421-C80-F	XS5F-D422-C80-F	UL2238 certified (File no. E207683)
	2		XS5F-D421-D80-F	XS5F-D422-D80-F	
	3		XS5F-D421-E80-F	XS5F-D422-E80-F	
	5		XS5F-D421-G80-F	XS5F-D422-G80-F	
	10		XS5F-D421-J80-F	XS5F-D422-J80-F	
	15		XS5F-D421-K80-F	—	
	20		XS5F-D421-L80-F	—	
Fire-retardant, thin PVC Robot Cable	1	4 dia.	XS5F-D423-C80-S	—	—
	2		XS5F-D423-D80-S	—	
	3		XS5F-D423-E80-S	—	
	5		XS5F-D423-G80-S	—	
	10		XS5F-D423-J80-S	—	
Oil-resistant polyurethane robot cable	1	4.7 dia.	XS5F-D42B-C80-PR	XS5F-D42C-C80-PR	—
	2		XS5F-D42B-D80-PR	XS5F-D42C-D80-PR	
	5		XS5F-D42B-G80-PR	XS5F-D42C-G80-PR	
	10		XS5F-D42B-J80-PR	XS5F-D42C-J80-PR	
Oil-resistant polyurethane cable	2	6 dia.	XS5F-D421-D80-P	XS5F-D422-D80-P	—
	5		XS5F-D421-G80-P	XS5F-D422-G80-P	
	10		XS5F-D421-J80-P	XS5F-D422-J80-P	
Spatter-resistant Cable	2	6.6 dia.	XS5F-D421-D80-SA	—	—
	5		XS5F-D421-G80-SA	—	

Note: Ask your OMRON representative about other cable lengths, and about 2-core cables.

Dimensions

Straight

Fire-retardant, PVC Robot Cable

XS5F-D421-□80-F

Fire-retardant, thin PVC Robot Cable

XS5F-D423-□80-S

Oil-resistant Polyurethane Robot Cable

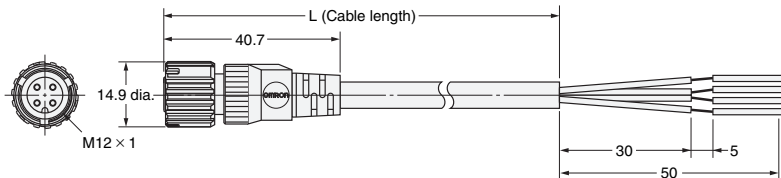
XS5F-D42B-□80-PR

Oil-resistant Polyurethane Cable

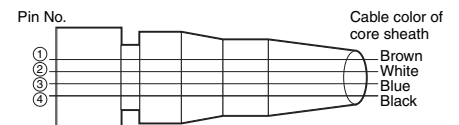
XS5F-D421-□80-P

Spatter-resistant Cable

XS5F-D421-□80-SA



Wiring Diagram for 4 Cores



Right-angle

Fire-retardant, PVC Robot Cable

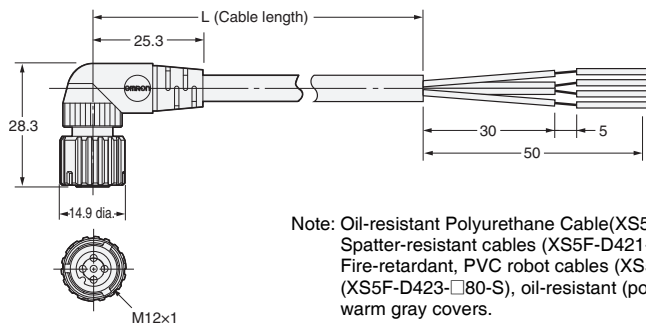
XS5F-D422-□80-F

Oil-resistant Polyurethane Cable

XS5F-D422-□80-P

Oil-resistant Polyurethane Robot Cable

XS5F-D42C-□80-PR



Note: Oil-resistant Polyurethane Cable(XS5F-D42□-□80-P),
Spatter-resistant cables (XS5F-D421-□80-SA) have black covers.
Fire-retardant, PVC robot cables (XS5F-D42□-□80-F), fire-retardant, thin PVC robot cables
(XS5F-D423-□80-S), oil-resistant (polyurethane) robot cables (XS5F-D42□-□80-PR) have
warm gray covers.