

## Accessories and part options

### YA Series

#### ■ Standard accessories

##### YAP programming box (with 8m cable)

Name	Model	Language
YAP-J	KEN-M5110-0J	Japanese
YAP-E	KEN-M5110-0E	English
YAP-C	KEN-M5110-0C	Chinese

##### Parts for the YAC100 controller

Name	Model
Power supply connector	KEN-M4871-00
Power supply cable clamp	KEN-M4836-00
Dummy connector for shorting safety signal	KEN-M5370-00
Power supply protection fuse	KEN-M5853-00
Standard I/O connector (STD.IO)	KBH-M4420-00
	KEN-M4420-00

##### Power cable (robot cable)

Manipulator name	Model	Cable length	Cable diameter		Bending radius
			Signal wire	Power wire	
YA-RJ	KEM-M4710-40	4 m	Signal wire	φ8.5 mm	85.0 mm
			Power wire	φ13.5 mm	140.0 mm
YA-R3F	KEM-M4711-40	4 m	Signal wire	φ17.5 mm	180.0 mm
			Power wire	φ19.5 mm	200.0 mm
YA-R5F/R5LF/R6F	KEM-M4712-40	4 m	Signal wire	φ17.5 mm	180.0 mm
			Power wire	φ19.5 mm	180.0 mm
YA-U5F/U10F	KEM-M4713-40	4 m	Signal wire	φ17.5 mm	180.0 mm
			Power wire	φ16.1 mm	180.0 mm
YA-U20F	KEM-M4714-40	4 m	Signal wire	φ17.5 mm	180.0 mm
			Power wire	φ26.0 mm	260.0 mm

#### ■ Options

##### Power cable (robot cable)

Manipulator name	Model			Cable diameter		Bending radius
	Cable length (10 m)	Cable length (15 m)	Cable length (20 m)	Signal wire	Power wire	
YA-RJ	KEM-M4710-A0	KEM-M4710-F0	KEM-M4710-L0	Signal wire	φ8.5 mm	85.0 mm
				Power wire	φ13.5 mm	140.0 mm
YA-R3F	KEM-M4711-A0	KEM-M4711-F0	KEM-M4711-L0	Signal wire	φ17.5 mm	180.0 mm
				Power wire	φ19.5 mm	200.0 mm
YA-R5F/R5LF/R6F	KEM-M4712-A0	KEM-M4712-F0	KEM-M4712-L0	Signal wire	φ17.5 mm	180.0 mm
				Power wire	φ19.5 mm	180.0 mm
YA-U5F/U10F	KEM-M4713-A0	KEM-M4713-F0	KEM-M4713-L0	Signal wire	φ17.5 mm	180.0 mm
				Power wire	φ16.1 mm	180.0 mm
YA-U20F	KEM-M4714-A0	KEM-M4714-F0	KEM-M4714-L0	Signal wire	φ17.5 mm	180.0 mm
				Power wire	φ26.0 mm	260.0 mm

##### Device cable connector (connector for user wiring)

Manipulator name	Part position	Model	Remarks
YA-RJ	Base side	KEM-M4870-00	
	Arm side	KEM-M4870-10	
YA-R3F	Base side	KEM-M4873-00	
	Arm side	KEM-M4874-00	
YA-R5F/R5LF	Base side	KEM-M4873-10	Two connectors
	Arm side	KEM-M4874-10	Two connectors
YA-R6F	Base side	KEM-M4870-20	
	Arm side	KEM-M4870-30	
YA-U5F	Base side	KEM-M4873-30	
	Arm side	KEM-M4870-40	
YA-U10F	Base side	KEM-M4873-30	
	Arm side	KEM-M4870-50	
YA-U20F	Base side	KEM-M4870-60	
	Arm side	KEM-M4870-40 <sup>Note</sup>	

Note. Two connectors are required on the arm side of YA-U20F.

##### Extension cable for YAP (extension cable for programming box)

Name	Model	Cable length
Extension cable for YAP	KEN-M531F-10	4 m
	KEN-M531F-20	8 m
	KEN-M531F-30	12 m

##### Dummy connector for YAP

Name	Model
YAP dummy connector	KEN-M5163-00

#### ■ Maintenance parts

Name	Model
Battery unit for YA-RJ/R3F	KEM-M53G3-10
YA-R5F/R5LF/R6F	KEM-M53G3-00
Battery unit for YA-U5F/U10F/U20F	
Battery unit for YAC100 controller	KEN-M53G3-00
AC fan motor	KEN-M6175-00