

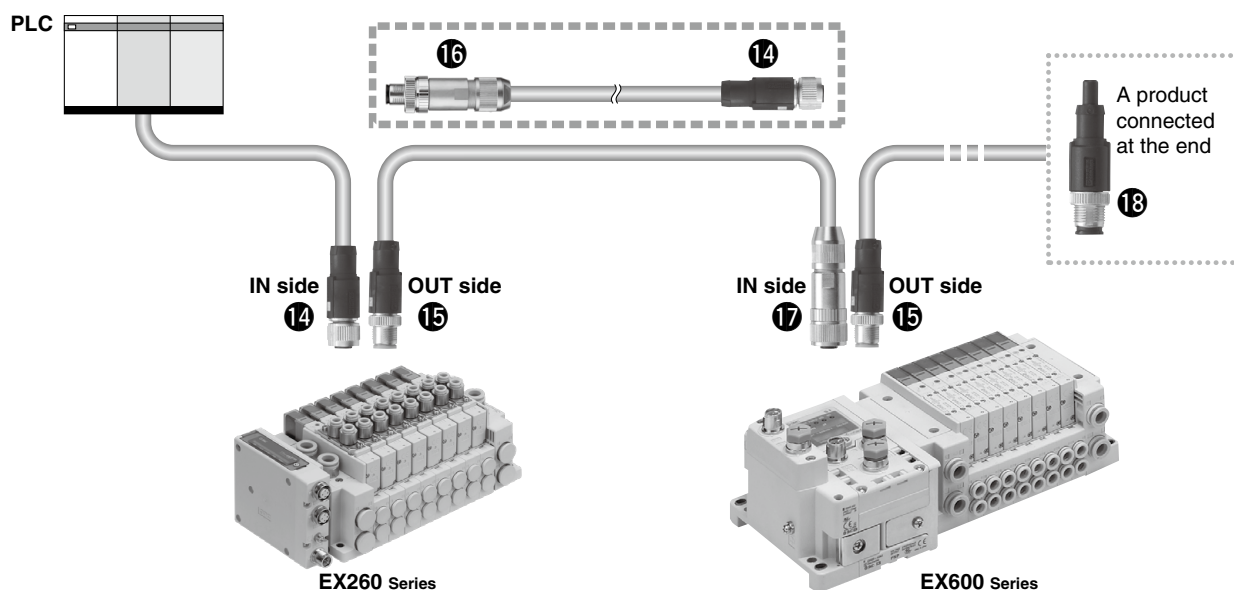
Communication Cable/Connector








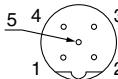
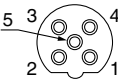
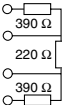
M12



Example of Connection



Specifications

Description		Communication cable (With connector on one side)		Field-wireable connector		Terminal resistor	
Part no.		PCA-1557688	PCA-1557691	PCA-1075530	PCA-1075531	PCA-1557727	
Product image		<div>14</div> <div>SPEEDCON</div>  <div>Socket</div>	<div>15</div> <div>SPEEDCON</div>  <div>Plug</div>	<div>16</div> <div>SPEEDCON</div>  <div>Plug</div>	<div>17</div> <div>SPEEDCON</div>  <div>Socket</div>	<div>18</div>  <div>For PROFIBUS DP (Plug, B-coded)</div>	
Number of functional poles		M12: 2 pins		M12: 3 pins		M12: 4 pins	
Key type		B-coded (Reverse key)					
Pin assignment		 <div>Plug, B-coded (Viewed from the plug/socket side)</div>		 <div>Plug, B-coded (Viewed from the plug/socket side)</div>		<div>1: —</div> <div>2: A Line (Green)</div> <div>3: —</div> <div>4: B Line (Red)</div> <div>5: —</div> <div>1: VP</div> <div>4: B Line</div> <div>2: A Line</div> <div>3: DGND</div> 	
Wiring	Fixed cable length	5 m		—			
	Cable O.D.	7.8 mm		Applicable cable*1	4.0 to 8.0 mm	—	
	Conductor nominal cross section	0.34 mm ² /AWG22			0.14 to 0.75 mm ² /AWG26 to 18 (Solid cable/Flexible cable) 0.08 to 0.5 mm ² /AWG28 to 20 (With ferrule)	—	
	Wire O.D. (Including insulating material)	2.55 mm		—			
	Connection type	—		Push-in type		—	
Rating/Performance	Rated current	4 A		—		—	
	Rated voltage	60 V		48 VAC/60 VAC		60 V	
	Contact resistance	5 mΩ or less		10 mΩ or less		5 mΩ or less	
	Insulation resistance	100 MΩ or more		—		—	
	Withstand voltage	1.4 kV		—		—	
	Ambient temperature	Connector	-25 to +90°C		-40 to +85°C <td>-25 to +90°C</td>		-25 to +90°C
		Cable	-40 to +85°C		—		—
	Min. bending radius (Fixed)	78 mm		—		—	
	Protection class	IP67 (Only with screw tightened)					
	Allowable repeated insertion/withdrawal	200					
Material	Material of knurl	Zinc die-cast (Nickel plating)					
	Contact (Surface treatment)	CuSn (Au plating (Ni underplating))					
	Connector material	TPU/PA66 (UL94 HB)		PA66 (UL94 V0)		TPU/PA66 (UL94 HB)	
	Material of sheath (Sheath color)	PUR (Purple (RAL 4001 equivalent))		—		—	
Weight		Approx. 343 g	Approx. 356 g	Approx. 37 g	Approx. 42 g	Approx. 12 g	

*1 The shaded sections show the specifications for the applicable cable. Adaptation for the connector may vary on account of the conductor construction of the electric wire.

Field-wireable Communication Connector

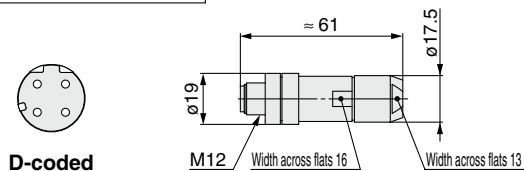
Plug

For EtherNet/IP™

For PROFINET

For EtherCAT

③ PCA-1446553



Applicable Cable

Item	Specifications
Cable O.D.	4.0 to 8.0 mm
Wire gauge (Stranded wire cross section)	0.14 to 0.34 mm ² /AWG26 to 22

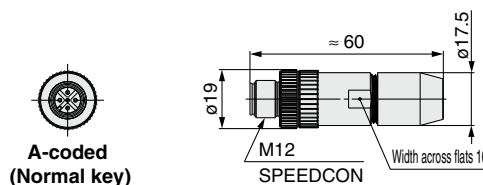
* The table above shows the specifications for the applicable cable. Adaptation for the connector may vary on account of the conductor construction of the electric wire.

For CC-Link

For DeviceNet®

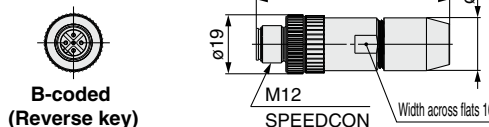
⑥ PCA-1075526

⑪ PCA-1075528



For PROFIBUS DP

⑬ PCA-1075530



Applicable Cable

Item	Specifications
Cable O.D.	4.0 to 8.0 mm
Wire gauge (Stranded wire cross section)	0.14 to 0.75 mm ² /AWG26 to 18 (Solid cable/Flexible cable) 0.08 to 0.5 mm ² /AWG28 to 20 (With ferrule)

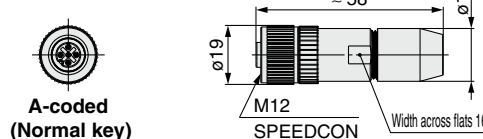
Socket

For CC-Link

For DeviceNet®

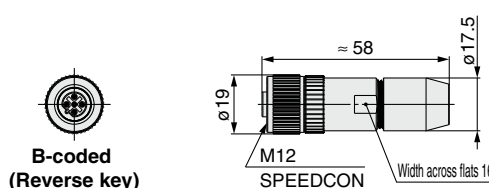
⑦ PCA-1075527

⑫ PCA-1075529



For PROFIBUS DP

⑰ PCA-1075531



Applicable Cable

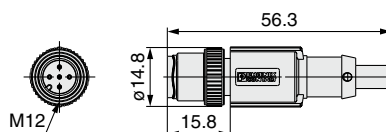
Item	Specifications
Cable O.D.	4.0 to 8.0 mm
Wire gauge (Stranded wire cross section)	0.14 to 0.75 mm ² /AWG26 to 18 (Solid cable/Flexible cable) 0.08 to 0.5 mm ² /AWG28 to 20 (With ferrule)

Terminating Resistor

For DeviceNet®

⑬ PCA-1557675

Terminating resistor for DeviceNet®



For PROFIBUS DP

⑱ PCA-1557727

Terminating resistor for PROFIBUS DP

