



## SPE

## PROFIBUS

## CANopen | DeviceNET

## INDUSTRIAL ETHERNET

### ■ Standard IEC 63171-6

### ■ Up to 10 GBit/s

### M8, M12 | 2-poles

- Single- and double-ended cordsets
- 360°-shielded
- Straight, angled

### M12 Field-wireable

- 360°-shielded
- Crimp-technology
- Straight

- Good media- and temperature resistance

- IP65 | IP67 | IP68

- Protective caps, protective plugs, marking accessories, color rings

### M12 | 5-poles, B-coded

- Single- and double-ended cordsets
- 360°-shielded
- Female, male | straight, angled

### M12 Receptacles

- 360°-shielded
- Back- | Front wall mounting
- Wire connection, Print connection, Cable outlet
- Coding positionable (Front wall mounting)
- Female, male | straight, angled\* (\*Back wall mounting, Print connection)

### M12 Field-wireable

- 360°-shielded
- Female, male | straight, angled
- Screw-/Clamp-connection

### Y-Splitter | T-Splitter M12

- 360°-shielded
- Female - female - male

### Termination connector

- M12 male, straight, 4-poles, B-coded
- Good media- and temperature resistance
- IP65 | IP67 | IP68
- UL-approved
- Protective caps, protective plugs, marking accessories, color rings

### M12 | 5-poles, A-coded

- Single- and double-ended cordsets
- 360°-shielded and unshielded
- Female, male | straight, angled

### M12 Receptacles

- Back- | Front wall mounting
- Wire connection
- Coding positionable (Front wall mounting)
- Female, male | straight

### M12 Field-wireable

- 360°-shielded
- Female, male | straight, angled
- Screw-/Clamp-connection

### T-Splitter M12

- Unshielded
- Female - female - male

### Termination connector

- M12 male, female straight
- 120Ω resistor
- Good media- and temperature resistance
- IP65 | IP67 | IP68
- UL-approved
- Protective caps, protective plugs, marking accessories, color rings

### M8- | M12 connectors

### 100 MBit/s

- Cat5e Cable
- Single- and double-ended cordsets
- 360°-shielded
- M12: 4-poles, D-coded
- M8: 4-poles | 4-poles, D-coded | 4-poles, P-coded

### 10 GBit/s

- Cat6A- / Cat7 Cable
- Single- and double-ended cordsets
- 360°-shielded
- M12: 8-poles, X-coded

### Field-wireable

- Crimp connection, IDC-connection
- 360°-shielded
- 100 MBit/s: M12\_4D
- 10 GBit/s: M12\_8X

- 7 cable qualities PUR, 1 cable quality PVC

- Good media- and temperature resistance

- IP65 | IP67 | IP68

- UL-approved

- Protective caps, protective plugs, marking accessories, color rings

### RJ45 connectors

### 100 MBit/s

- Cat5e-Cable
- Single- and double-ended cordsets
- Shielded
- Male, straight, angled, light design

### 10 GBit/s

- Cat6A-Cable
- Single- and double-ended cordsets
- 360°-shielded
- Male, straight

### Field-wireable

- IDC-connection
- 360°-shielded
- 100 MBit/s: 4-poles
- 10 GBit/s: 8-poles

### Patchcords

- T568B, Crossover
- 2 Cat5e-Cable: PUR in 6 colors or drag chain suitable (GN)
- Cat7-Cable: FRNC in 6 colors

- IP20

- Good media- and temperature resistance

- UL-approved

- Locking/unlocking clips in 10 colors for marking

### M8- | M12 Receptacles

### 100 MBit/s

- M12: 4-poles, D-coded
- M8: 4-poles, D-coded | P-coded
- Back- | Front wall mounting
- Wire connection, Print connection, Cable outlet (M12)
- Coding positionable (Front-wall mounting)
- 360°-shielded (Print-, cable outlet)
- Female, male | straight, angled\* (\*Back wall mounting, Print connection, Cable outlet)

### 10 GBit/s

- M12: 8-poles, X-coded
- 360°-shielded
- Print connection, cable outlet

- Good media- and temperature resistance

- IP65 | IP67 | IP68

- UL-approved

- Protective caps, protective plugs, separate counter nuts

Industrial connectors for **DATA TRANSMISSION**

				INDUSTRIAL ETHERNET												EtherCAT			PROFIBUS   CANopen/DeviceNET					Receptacles   UL			SPE							
Coding: male   female ↓				Cable qualities ↓																							Cable qualities		Coding: male   female					
Design ↓				Available polarities ↓																														
				Cat5e PUR S2171 PROFINET type C   1x4xAWG22/7   Drag chain.   UL   GN	Cat5e PUR S3400 1x4xAWG26   suitable for drag chain appl.   UL   GN	Cat5e PUR S5100 PROFINET robotic   AWG 22/19 type R   UL   GN	Cat5e PVC S5200 PROFINET 1x4xAWG22   UL   GN	Cat7 PUR S3500 4x2xAWG26   UL   GN	Cat7 PUR S4030 PROFINET type 4x2xAWG24   suitable for torsion   UL   GN	Cat6 PUR S4031 PROFINET type 4x2xAWG26   Drag chain.   UL   GN	Cat5e PUR S510 Patchcord   4x2xAWG26/7   GY, RD, YE, BU, GN, BK	Cat7 FRNC S620 Patchcord   4x2xAWG27   UL   GY, RD, YE, BU, GN, BK	Field-wireable   IDC-connections	Field-wireable   Crimp-connections	Panel feed through	Adapter	Cat5e PUR S1329 EtherCAT   1x4xAWG26   UL   YE	Cat5e PUR S5058 EtherCAT P   1x4xAWG22   BK/RD	Cat5e PUR S5059 EtherCAT P   1x4xAWG24   BK/RD	PROFIBUS PUR S1800 1 x 2 x 0,34   Drag chain suitable   UL   VT	CANopen/DeviceNet PUR S2800 (2x0,25) + (2x0,34)   Drag chain suitable   UL   GY	Field-wireable   Screw-/Clamp-connection	Termination connectore	Splitter	Print connection	Wire connection	Wire connection, coding positionable	SPE PUR   1x2xAWG22   UL   GN	Field-wireable   Crimptechnology					
Connectors	M8	male	↑	4, 4D	4, 4D	4D	4D									4	4P	4P										2		↑	male	M8		
			↷	4, 4D	4, 4D	4D	4D											4P	4P										2		↷		male	
		female	↑	4, 4D	4, 4D	4D	4D												4P	4P													↑	female
			↷	4, 4D	4, 4D	4D	4D												4P	4P													↷	female
	M12	male	↑	4D	4D	4D	4D	8X	8X	8X				4D, 8X	4D			4D			5B	5A	5A, 5B	5A, 5B	5B: S-S-B				2	2	↑	male		
			↷	4D	4D	4D	4D	8X													5B	5A	5A, 5B						2		↷	male		
		female	↑	4D	4D	4D	4D							8X		4D>RJ45 8X>RJ45	4D>4D 4D>8X 8X>8X				5B	5A	5A, 5B	5A	5A: B-B-S 5B: B-S-S						↑	female		
			↷	4D	4D	4D	4D									4D>RJ45 8X>RJ45					5B	5A	5A, 5B								↷	female		
	RJ45	male	↑	4	4	4	4	8									4														↑	male		
			↷		4																										↷	male		
			light ↑		4																										light ↑	male		
	Receptacles	M8	Back wall mounting	male																											↑	male		
↷																															↷	male		
female			↑																												↑	female		
			↷																												↷	female		
M12		Back wall mounting	male																											↑	male			
			↷																											↷	male			
		female	↑	4D	4D	4D	4D	8X	8X	8X											5B						4D, 5B, 8X	4D, 5A, 5B			↑	female		
			↷	4D		4D	4D															5B					4D, 5B, 8X				↷	female		
RJ45		Front wall mounting	male																									4D, 5A, 5B	4D, 5B			↑	male	
			↷																												↷	male		
		female	↑	4D		4D																5B					5B, 8X	4D, 5A, 5B	4D, 5B			↑	female	
			↷																												↷	female		
Patchcords	RJ45	male																												↑↑	male			
		male																												↑↑	male			
		male		industrial																										↑↷	male			