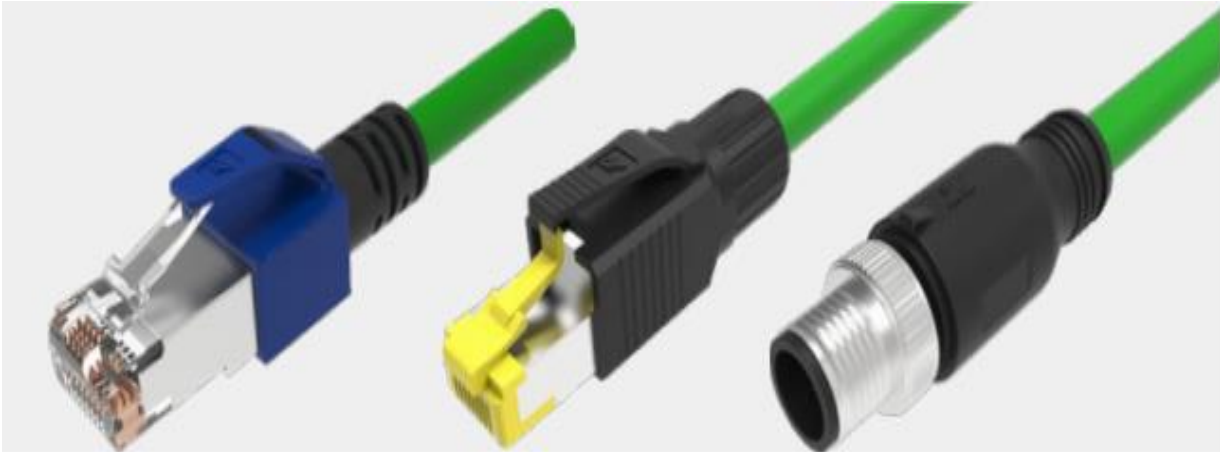


PROFINET CABLE ASSEMBY rev a



Applications

Designed for PROFINET protocol, used in a wide range of industrial Ethernet applications. It directly connects two electronic devices and instruments, and can be used in EtherCAT and Ethernet / IP. suitable for indoor fixed applications or occasional mobile.

Features

- ◆ The flame retardant performance of the cable meet IEC60332-1
- ◆ Has excellent anti external electromagnetic interference ability
- ◆ Wear resistance, oil resistance, better performance of PUR sheath
- ◆ Long service life
- ◆ Flexible use and easy replacement of equipment
- ◆ A variety of lengths and sheath options are available

CONFIGURATIONS AVAILABLE



- **Type A: RJ 45 to RJ45** **RJ45 to M12** **M12 to M12**
- **Type B: RJ45 to RJ45** **RJ45 to M12** **M12 to M12**
- **Type C: RJ45 to RJ45** **RJ45 to M12** **M12 to M12**

- CABLE STRUCTURE/PERFORMANCE

	Profinet A	Profinet B	Profinet C
Conductor			
Specification	4X22AWG (1/0.645Bare copper)	4X22AWG (7/0.254 Bare copper)	4X22AWG (19/0.15 Bare copper)
Insulation Material	HDPE	HDPE	HDPE
Core Color	White / Blue / Yellow / Orange	White / Blue / Yellow /Orange	White / Blue / Yellow /Orange
Sheath Material	PVC	PVC	PVC/PUR Optional
Shielding Structure	Aluminum Foil + Braid (Tinned Copper)	Aluminum Foil + Braid (Tinned Copper)	Aluminum Foil + Braid (Tinned Copper)
Braid Density	≥ 85%	≥ 85%	≥ 85%
Sheath Color	Green (RAL6018)	Green (RAL6018)	Green (RAL6018)
Cable OD	6.5±0.3mm	6.5±0.3mm	6.5±0.3mm
Application Scenario	Fixed Application	Move Occasionally	Moved Application (5 Million Times Drag Chain)
Interface Type	RJ45 (Shielding Type) /M12D 4	RJ45 (Shielding Type) /M12D 4	RJ45 (Shielding Type) /M12D 4

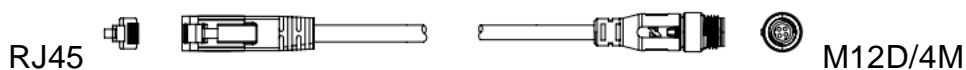
	Needle	Needle	Needle
Assembly Mode	Field Installation / Molding	Field Installation / Molding	Field Installation / Molding
Temperature Range	Fixed Application: -40℃ ~80℃	Fixed Application: -40℃ ~80℃	Fixed Application: -40℃ ~80℃
	During Installation: -20℃ ~80℃	During Installation: -20℃ ~80℃	During Installation: -20℃ ~80℃
Characteristic			
Impedance	100±5Ω	100±5Ω	100±5Ω
Protection Level	IP20	IP20	IP20
Minimum Bending Radius	Fixed Application: 4D(D=Cable Diameter)	Move Occasionally: 8D(D=Cable Diameter)	Moved Application (: 8D(D=cable Diameter)
Guideline	Transmission performance meets ISO/IEC11801, IEC61156-1,IEC61156-6		



Cable Sheath	Cable Specification	Product Model		
		1m	3m	5m
—	—			
PVC	Profinet A	ELII-ZL7402A279	ELII-ZL7402A280	ELII-ZL7402A281
PVC	Profinet B	ELII-ZL7402A282	ELII-ZL7402A283	ELII-ZL7402A284
PVC	Profinet C	ELII-ZL7402A285	ELII-ZL7402A286	ELII-ZL7402A287
PUR	Profinet C	ELII-ZL7402A288	ELII-ZL7402A289	ELII-ZL7402A290




Cable Sheath	Cable Specification	Product Model		
		1m	3m	5m
—	—			
PVC	Profinet A	ELII-ZL7402A291	ELII-ZL7402A292	ELII-ZL7402A293
PVC	Profinet B	ELII-ZL7402A294	ELII-ZL7402A295	ELII-ZL7402A296
PVC	Profinet C	ELII-ZL7402A297	ELII-ZL7402A298	ELII-ZL7402A299
PUR	Profinet C	ELII-ZL7402A300	ELII-ZL7402A301	ELII-ZL7402A302



Cable Sheath	Cable Specification	Product Model
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—	—	1m	3m	5m
PVC	Profinet A	ELII-ZL7402A319	ELII-ZL7402A320	ELII-ZL7402A321
PVC	Profinet B	ELII-ZL7402A322	ELII-ZL7402A323	ELII-ZL7402A324
PVC	Profinet C	ELII-ZL7402A325	ELII-ZL7402A326	ELII-ZL7402A327
PUR	Profinet C	ELII-ZL7402A328	ELII-ZL7402A329	ELII-ZL7402A330

RJ45  M12D/4M

Cable Sheath	Cable Specification	Product Model		
		1m	3m	5m
—	—	1m	3m	5m
PVC	Profinet A	ELII-ZL7402A331	ELII-ZL7402A332	ELII-ZL7402A333
PVC	Profinet B	ELII-ZL7402A334	ELII-ZL7402A335	ELII-ZL7402A336
PVC	Profinet C	ELII-ZL7402A337	ELII-ZL7402A338	ELII-ZL7402A339
PUR	Profinet C	ELII-ZL7402A340	ELII-ZL7402A341	ELII-ZL7402A342



M12D/4M  M12D/4M

Cable Sheath	Cable Specification	Product Model		
		1m	3m	5m
—	—	1m	3m	5m
PVC	Profinet A	ELII-ZL7402A343	ELII-ZL7402A344	ELII-ZL7402A345
PVC	Profinet B	ELII-ZL7402A346	ELII-ZL7402A347	ELII-ZL7402A348
PVC	Profinet C	ELII-ZL7402A349	ELII-ZL7402A350	ELII-ZL7402A351
PUR	Profinet C	ELII-ZL7402A352	ELII-ZL7402A353	ELII-ZL7402A354

