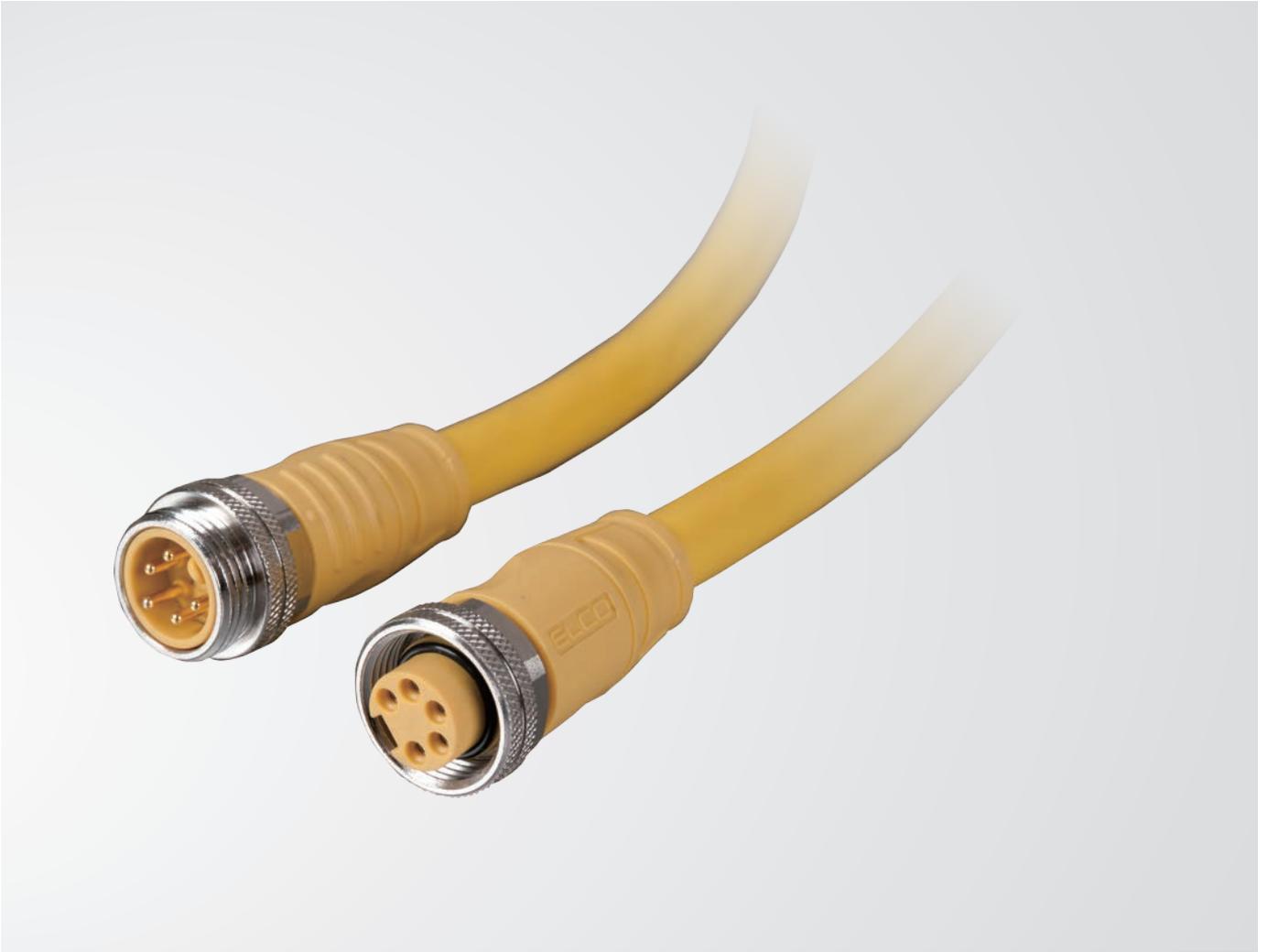


7/8" Connectors



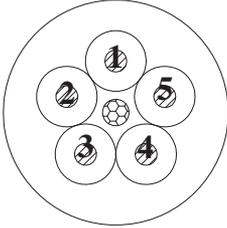
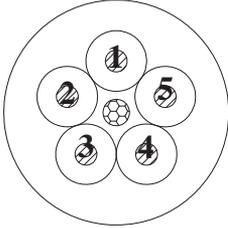
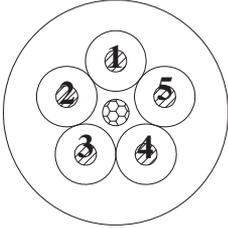
7/8" Connectors

ELCO provides pre-wired power connectors and bus connectors for industrial automation field. The pre-wired cordsets are easy for the installation of field bus, reducing wiring errors or incomplete shielding in the process of field wiring, to ensure that the bus connection is correct and normal communication.

Single-ended and double-ended cordsets are available, which are used for power supply, communication of Profibus/ProfiNet, DeviceNet module. Straight or angled type are optional, customized cable length according to the field configuration, 7/8" thread interface.

- Profibus/ProfiNet power supply: Mini-Change (5P), field-attachable connectors.
- DeviceNet power supply: Minichange (4P), field-attachable connectors.

7/8" Connectors

			
Type	85-1654	85-1655	85-1656
Environment	Fixed installation	Drag chain installation	Fixed installation,
Structure	5C×16AWG	5C×16AWG	5C×16AWG
Conductor			
Material	Bare stranded copper conductor	Tined tin conductor	Tined tin conductor
Size	65/0.16±0.008mm	105/0.127±0.008mm	26/0.254±0.008mm
Insulation			
Material	PVC	PVC	PVC
Cabling			
Filler	Cotton	Cotton	Cotton
Jacket			
Material	PVC	PUR	PVC
O.D.	12.9±0.30mm	8.40±0.25mm	8.40±0.25mm
Electrical characteristic			
Operating voltage	600V	300V	300V
Operating temperature	-20...105 ℃	80 ℃	80 ℃
Max. DC conductor resistance(at 20 ℃)	14.6Ω/km	14.6Ω/km	14.6Ω/km
Voltage withstand test	AC 2.0kV/1min	AC 2.0kV/1min	AC 2.0kV/1min
Physical properties			
Tensile strength	≥10.3MPa	≥10.3MPa	≥10.3MPa
Elongation	≥100%	≥100%	≥100%
Aged condition	136±2 ℃×168h	113±1 ℃×168h	113±1 ℃×168h
Percent of original tensile strength	≥70%	≥70%	≥70%
Percent of original elongation	≥65%	≥65%	≥65%
Bending radius	—	R=50mm ≥1 million	—
Color code			
Insulation	1.white 2.red 3.green	1.white 2.red 3.green	1.white 2.red 3.green
	4.orange 5.black	4.orange 5.black	4.orange 5.black
Jacket	Yellow	Yellow	Yellow

* MOQ 50m

Single-ended/double-ended power cordsets (Profibus/ProfiNet)

Functions:

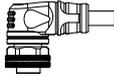
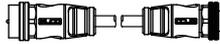
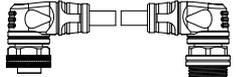
- Profibus/ProfiNet power supply
- Flexible cable
- Mini Change (7/8") interface



Technical Data

Electrical Data	
Voltage	Thick cable 600V, thin cable 300V
Current	8A
Cable Specifications	
Diameter	Thick cable 12.9 mm, thin cable 8.4mm
Material	
Contact Carrier	PVC
Molded Head	PVC
Coupling Nut	Copper Nickel Plating
Cable Color	Yellow
Using Grade	
Protection Class	IP67

Type List

								
Cross Section	Single-ended Straight		Single-ended Angled		Double-ended Straight		Double-ended Angled	
	Type	Fig.	Type	Fig.	Type	Fig.	Type	Fig.
Male  1- WHITE (OUTPUT POWER V-) 2- RED (BUS/INPUT POWER V-) 3- GREEN (EARTH GROUND) 4- ORANGE (BUS/INPUT POWER V+) 5- BLACK (OUTPUT POWER V+)	105006A01M010	Fig. 1	105007A01M010	Fig. 2	115030A01M010	Fig. 5	115033A01M010	Fig. 6
Female  1- WHITE (OUTPUT POWER V-) 2- RED (BUS/INPUT POWER V-) 3- GREEN (EARTH GROUND) 4- ORANGE (BUS/INPUT POWER V+) 5- BLACK (OUTPUT POWER V+)	105000A01M010	Fig. 3	105001A01M010	Fig. 4				

Order Code

115030A01Mxxx

Cable	Connector	Cable Material	Length
Single-ended Pre-wire.....10	Single-ended Female Straight 000	PVC 01	0.6 m 006
Double-ended Pre-wire.....11	Single-ended Female Angled..... 001	PUR 03	1 m 010
	Single-ended Male Straight 006		2 m 020
	Single-ended Male Angled..... 007		5 m 050
	Female Straight/Male Straight..... 030		
	Female Angled/Male Angled..... 033		

Profibus/ProfiNet Power Single-ended/Double-ended Cordsets

Dimensions

Fig. 1

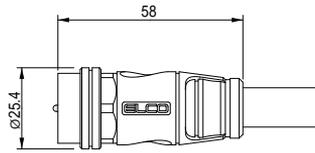


Fig. 2

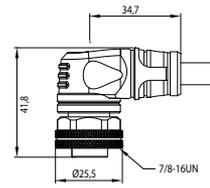


Fig. 3

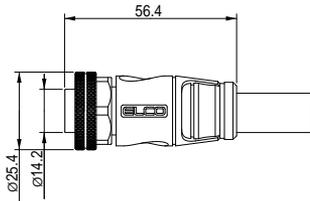


Fig. 4

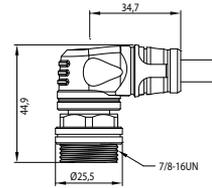


Fig. 5

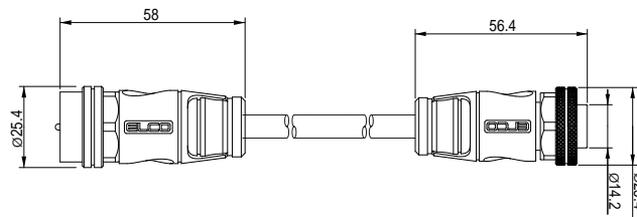
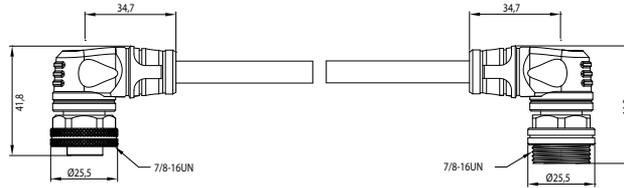


Fig. 4



DeviceNet Auxiliary Power Cordsets

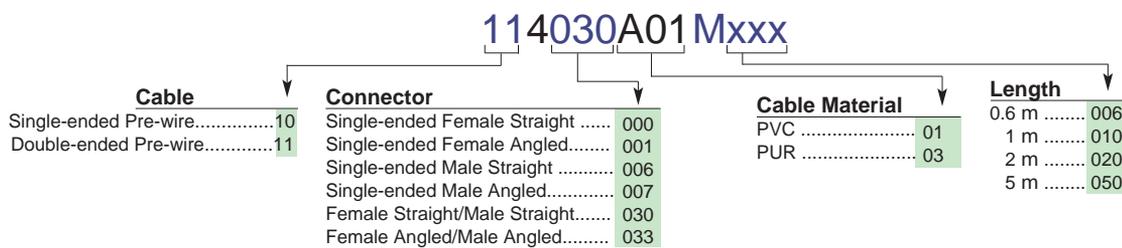
- Mini-Change interface
- Single-ended pre-wire, female/male, straight/angled
- Double-ended pre-wire, female/male, straight/angled



Type List

Cross Section	Single-ended Straight		Single-ended Angled		Double-ended Straight		Double-ended Angled	
	Type	Fig.	Type	Fig.	Type	Fig.	Type	Fig.
Male 	104006A01M010	FIG1	104007A01M010	FIG2	114030A01M010	FIG5	114033A01M010	FIG6
Female 	104000A01M010	FIG3	104001A01M010	FIG4				

Order Code



尺寸图

FIG 1
孔直

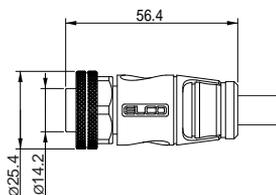


FIG 2
孔 90°

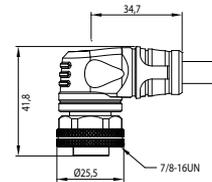


FIG 3
针直

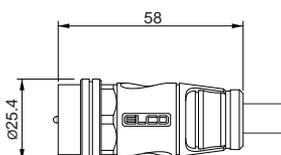
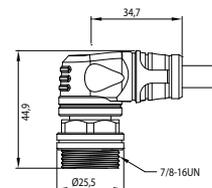


FIG 4
针 90°



Profibus/ProfiNet/DeviceNet Field-attachable Connectors

Functions:

- Mini-Change (7/8") field-attachable connector for standard module
- Micro (M12) field-attachable connector for compact module



Technical Data

Electrical Data

Voltage 600V AC/DC

Current 8A

Material

Contact Carrier PU

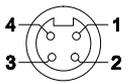
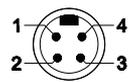
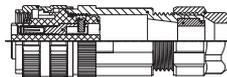
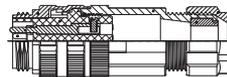
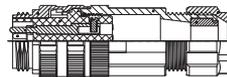
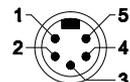
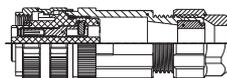
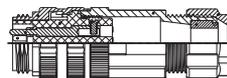
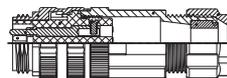
Molded Head Nylon

Coupling Nut Copper Nickel Plating

Using Grade

Protection Class IP67

Type list

Cross section		Max. Current	Voltage Rating	Cable Diameter	Mini Female		Mini Male	
Type	Fig.				Type	Fig.		
4-Core Female 	4-Core Male 	8.0A	600V AC/DC	10-12mm	 1A4000-34/C	 FIG1 1A4006-34/C	 FIG2	
Cross section		Max. Current	Voltage Rating	Cable Diameter	Micro Female		Micro Male	
Type	Fig.				Type	Fig.		
5-Core Female 	5-Core Male 	8.0A	600V AC/DC	10-12mm	 1A5000-34/C	 FIG1 1A5006-34/C	 FIG2	

Dimensions

FIG 1

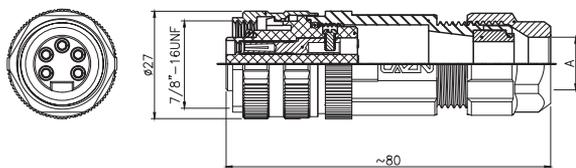
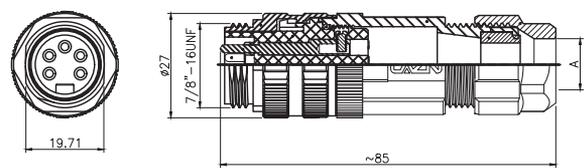


FIG 2



Profibus/ProfiNet Power Tee

Functions:

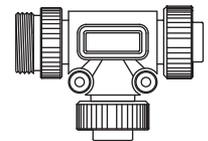
- Power supply for trunk line
- Tap power for Profibus module



Technical Data

Electrical Data	
Voltage	600V
Current	8.0A
Material	
Contact Carrier	PVC
Molded Head	Nylon
Coupling Nut	Copper Nickel Plating
Using Grade	
Protection Class	IP67

Type list



Male	Wiring Diagram	Type	Fig
 		PBAPT	Fig.1

1-Output Power V-
 2-Bus/Input Power V-
 3-Earth Ground
 4-Bus/Input Power V+
 5-Output Power V+

Dimensions

Fig. 1

