

FAQ: AMCI M12 Cordset Part Numbers, Wiring, and Cross Reference

AMCI offers cordsets for use with our SV160E2, SV400E2, SMD17E2, SMD23E2, SMD24E2, SMD34E2, NR60, NR25, and DC60 products.

The cross reference part numbers are provided for users who wish to source their own cables, or for installations requiring cordsets of different lengths.

AMCI Part Number	Function	Wiring	M12 Connector Description	Turck Cross Reference	Phoenix Contact Cross Reference
CNPL-2M (2 meters)	SMD17E2 Power SMD23E2 Power SMD24E2 Power	1=Brown=DC Main Power 2=White = Input 1 3=Blue=Common 4=Black = Input 2 5=Gray =Auxiliary Power	Female 5-pin A-Coded	RK 4.5T-x/S622 (x=length in meters)	1406169 (2 meters)
CNPL-5M (5 meters)	SMD34E2 Inputs	1=Brown=Input 3+ 2=White = Input 1+ 3=Blue=Input 1 & 2 Common 4=Black = Input 2+ 5=Gray =Input 3-			1406168 (5 meters)
CNGL-5M Straight	SMD34E2 Power	1=black= DC Main Power 2=black= DC Auxiliary Power 3=black=Common 4=yellow/green=DC Common	Female 4- Pin S-Coded	N/A	Straight: 1408845
CRGL-5M Right Angle (5 meters)	SV160E2 & SV400E2 Power	1=black= DC Main Power 2=black= Brake Resistor 3=black=Common 4=yellow/green=Chassis GND			Right Angle: 1408853
CNVL-2M (2 meters)	NR60 Power	1=Brown=+24Vdc 3=Blue=Common 2,4 = No Connection	Female 4-pin A-Coded	RK 4.4T-x (x=length in meters)	1406246
	NR25 Power	2=White=+24Vdc 4=Black=Common 1,3 = No Connection			
CNER-5M (5 meters)	SV160E2, SMD17E2, SMD23E2 SMD24E2, SMD34E2 NR25, and NR60 Network	M12 1=White/Orange (+Tx) 2=White/Green (+Rx) 3=Orange (-Tx) 4=Green (-Rx) RJ45 1=White/Orange (+Tx) 2= Orange (-Tx) 3=White/Green (+Rx) 6=Green (-Rx) 4, 5, 7, 8 = No Connection	Male 4-pin D-Coded	RSSD RJ45S 441- xM (x=length in meters)	1409860

AMCI Part Number	Function	Wiring	M12 Connector Description	Turck Cross Reference	Phoenix Contact Cross Reference
CNFL-5M (5 meters)	DC60	1=White=+DC 2=Brown=DC Return 3=Green=Preset Input 4=Yellow=No Function 5=Gray=Analog Output 6=Pink=No Function 7=Blue=Direction Input 8=Red=DC Return	Female 8-pin A-Coded	E-RKS-8T-930-x (x=length in meters)	1406082
	SV160E2 & SV400E2 Inputs	1=White= input 1 2=Brown=input 2 3=Green=input 3 or STO A 4=Yellow=input 4 or STO B 5=Gray=leave floating 6=Pink=leave floating 7=Blue=DC Input Common 8=Red=No Connection			
SV160E2, SMD17E2, SMD23E2, SMD24E2, SMD34E2, & NR60 Daisy Chaining		1=White/Orange (+Tx) 2=White/Green (+Rx) 3=Orange (-Tx) 4=Green (-Rx)	Two Male 4-pin D-Coded	RSSD RSSD 441- xM (x=length in meters)	1418076
CNTL-5M (5 meters)	SMD23E2 and SMD34E2 STO cable	Brown=STOA Blue=STOB Black=DC Common	Female 3-pin Right Angle A-Coded	N/A	1669631
CNKL-2M (2 meters) CNKL-5M (5 meters)	SV160E2 and SV400E2 brake cable	Brown = +Brake Black = No Connection Blue = -Brake	Female 3-pin Right angle A-Coded	Binder Part Number 77-3434-000-50003-0200 (2 meter) 77-3434-000-50003-0500 (5 meter)	

File: FAQ_M12_cordsets.doc
Date: 2/2/2024