

# COMPACT

## INDUSTRIAL ETHERNET

### CABLES BY MURRELEKTRONIK

Developed to meet the demands of the North American market, our 600V Industrial Ethernet cordsets utilize UL listed cables with stranded conductors and a foil and braided shield.

The 4 and 8-pole cordsets are available in a variety of configurations including:

- Single or Double ended cable
- Straight or 90° M12 Male and Female Connectors
- RJ45 Connectors
- Lengths to 80m in .1m intervals (Cable Types S4U and S4W)
- Lengths to 100m in .1m intervals (Cable Type S7V)

All three cable types meet CAT5e requirements and are resistant to a variety of media including welding sparks. The S7V cable is also ITC/PLTC rated. Our convenient hex nut design combined with our torque wrench will simplify installations and ensure IP67 seals.



EtherNet/IP

EtherCAT

Modbus

PROFI  
NET

### PROPERTIES

Protocol	EtherNet/IP (ODVA)	ProfiNet PLTC	Ind. Ethernet
<b>Cable Type</b>	<b>Shielded 2 pair</b>	<b>Type B &amp; C</b>	<b>Shielded 4 pair</b>
Material	TPE (S4U)	TPE (S7V)	TPE (S4W)
Construction	SF/UTP	SF/UTP	SF/UTP
Performance	Cat 5e	Cat 5e	Cat 5e
UL AWM	2463 80C 600V	2463 80C 600V	2463 80C 600V
Approvals	CM 75C CMX OUTDOOR	ITC/PLTC 75C CM/CMX Outdoor	CM 75C CMX OUTDOOR
Flame Retardant	✓	✓	✓
Chemical Resistant	✓	✓	✓
Oil Resistant	✓	✓	✓
UV Resistant	✓	✓	✓
Halogen Free			
Weld Slag Resistant	✓	✓	✓
Flex Rating	1 mil/10 mil	1 mil/10 mil	1 mil/10 mil
Torsion Rating	3 mil @ ±180	3 million @ ±180	3 million @ ±180
Temp. Range (Flexing)	-20 to 80°C (-4 to 176°F)	-20 to 80°C (-4 to 176°F)	-20 to 80°C (-4 to 176°F)
Temp. Range (Fixed)	-40 to 80°C (-40 to 176°F)	-40 to 80°C (-40 to 176°F)	-40 to 80°C (-40 to 176°F)

Ethernet/IP (ODVA)

ProfiNet PLTC

Ind. Ethernet



- 2 Twisted Pairs
1. Orange/White
  2. Green/White



- 2 Twisted Pairs
1. Blue/White
  2. Yellow/Orange



- 4 Twisted Pairs
1. Orange/White
  2. Green/White
  3. Blue/White
  4. Brown/White



Scan the QR to watch our Tor (Art. No. 7000-99102-000000) video to see how it can assist in your next cable installation

# COMPACT

Code	Wires	Use	Cable Description
S4U	4	Ethernet/IP	High Flex Industrial Ethernet, CAT5e, SF/UTP 2-Pair 24AWG C(UL)US CMX Outdoor - CM 75C Sunlight Resistant Oil Res II or AWM2463 80C 600V
S4W	8	Ind. Ethernet	High Flex Industrial Ethernet, CAT5e, SF/UTP 4-Pair 24AWG C(UL)US CMX Outdoor - CM 75C Sunlight Resistant Oil Res II or AWM2463 80C 600V
S7V	4	ProfiNet	High Flex Industrial Ethernet, Profinet Type B and C, CAT5e, SF/UTP 2-Pair 22AWG C(UL)US CMX Outdoor - CM IT C/PLTC 75C Sunlight Resistant Oil Res II or AWM2463 80C 600V

## SINGLE ENDED CABLE

### FEMALE RECEPTACLE



Wires	Art. No	Wires	Art. No
4	7700-14511-S4UXXXX	8	7700-17511-S4WXXXX
	7700-14511-S7VXXXX		

### MALE 90°



Wires	Art. No	Wires	Art. No
4	7700-14561-S4UXXXX	8	7700-17561-S4WXXXX
	7700-14561-S7VXXXX		

## DOUBLE ENDED CABLE

### MALE STRAIGHT to MALE STRAIGHT



Wires	Art. No	Wires	Art. No
4	7700-44511-S4UXXXX	8	7700-48511-S4WXXXX
	7700-44511-S7VXXXX		

### MALE 90° to MALE 90°



Wires	Art. No	Wires	Art. No
4	7700-44561-S4UXXXX	8	7700-48561-S4WXXXX
	7700-44561-S7VXXXX		

### MALE STRAIGHT to RJ45



Wires	Art. No	Wires	Art. No
4	7700-44711-S4UXXXX	8	7700-48521-S4WXXXX
	7700-44711-S7VXXXX		

### FEMALE RECEPTACLE to RJ45



Wires	Art. No	Wires	Art. No
4	7700-44851-S4UXXXX	8	7700-48851-S4WXXXX
	7700-44851-S7VXXXX		

### MALE STRAIGHT



Wires	Art. No	Wires	Art. No
4	7700-14541-S4UXXXX	8	7700-17541-S4WXXXX
	7700-14541-S7VXXXX		

### RJ45



Wires	Art. No	Wires	Art. No
4	7700-74101-S4UXXXX	8	7700-74118-S4WXXXX
	7700-74101-S7VXXXX		

### MALE STRAIGHT to MALE 90°



Wires	Art. No	Wires	Art. No
4	7700-44541-S4UXXXX	8	7700-48541-S4WXXXX
	7700-44541-S7VXXXX		

### MALE STRAIGHT to FEMALE STRAIGHT



Wires	Art. No	Wires	Art. No
4	7700-44571-S4UXXXX	8	7700-48571-S4WXXXX
	7700-44571-S7VXXXX		

### MALE 90° to RJ45



Wires	Art. No	Wires	Art. No
4	7700-44761-S4UXXXX	8	7700-48551-S4WXXXX
	7700-44761-S7VXXXX		

### RJ45 to RJ45



Wires	Art. No	Wires	Art. No
4	7700-74301-S4UXXXX	8	7700-74718-S4WXXXX
	7700-74301-S7VXXXX		