



# CMCP400 Series Instrument Cable

STI provides high quality instrument cable as a service to our valued customers. These cables are used in various field wiring installations for permanent condition monitoring using CMCP transmitters and monitors. All cables have been carefully reviewed to insure they meet industry specifications and STI application requirements.

### CMCP400 High Temperature Bare Copper Pair

The **CMCP400** is High Temperature rated to (200° C); is Teflon® jacketed and insulated, 20 AWG Bare Copper wire, twisted pair instrument cable, with an overall braided shield. For multi-conductor cables, each pair is color coded, individually shielded, and provided with a rip cord for jacket removal. This cable is highly recommended for Paper Machine applications.

CMCP400	-XX	-XXXX	Description:
	01		1 Pair, 0.14" OD (0.36 cm)
	02		2 Pairs, 0.22" OD (0.56 cm)
	03		3 Pairs, 0.30" OD (76 cm)
		XXXX	Length in Feet

### Ordering Information:

**Maximum Rill Length:** 2,500 ft.  
**Impedance:** 41 pf/ft.  
**Color:** Yellow

### CMCP410, 415, 420, and 425 Standard Cable

Our standard cable is rated to 105° C, PVC Insulated and jacketed, twisted bare copper wire, and 100% coverage foil shielded with drain wire. The 18 and 20 AWG cables are available in both pairs and triads. They are designed to be installed in conduit or wire-ways with a sunlight resistant outer jacket. Long installation lengths over 250 feet (63.5 m) should use 18 AWG wire to reduce frequency attenuation.

Twisted, shielded pairs cable can be used for recorder outputs, accelerometers, relay output connections, and some system connections.

Twisted shielded triad cables are used for proximity (eddy current) transducer systems, 3 wire accelerometers with temperature measurement, and RTD temperature sensors.

### CMCP410, 415, 420, 425 Ordering Information:

**Maximum Roll Length:** 2,500 ft.  
**Impedance:** 52 pf/ft.  
**Color:** Sunlight Resistant Black

CMCP410	-XX	-XXXX	Description (20 AWG)
	01		1 Pair, 0.23" OD (0.58 cm)
	02		2 Pairs, 0.42" OD (1.07 cm)
	04		4 Pairs, 0.44" OD, (1.12 cm)
	06		6 Pairs, 0.53" OD, (1.35 cm)
	12		12 Pairs, 0.69" OD(1.75 cm)
		XXXX	Length in Feet

CMCP415	-XX	-XXXX	Description (18 AWG)
	01		1 Pair, 0.26" OD (0.66 cm)
	02		2 Pairs, 0.46" OD (1.17 cm)
	04		4 Pairs, 0.51" OD, (1.30 cm)
	06		6 Pairs, 0.60" OD, (1.52 cm)
	12		12 Pairs, 0.84" OD(2.13 cm)
		XXXX	Length in Feet

CMCP420	-XX	-XXXX	Description (20 AWG)
	01		1 Triad, 0.30" OD (0.76 cm)
	04		4 Triads, 0.50" OD(1.27 cm)
	08		8 Triads, 0.57" OD(1.45 cm)
		XXXX	Length in Feet

CMCP425	-XX	-XXXX	Description (18 AWG)
	01		1 Triad, 0.32" OD (0.81 cm)
	04		4 Triads, 0.54" OD(1.37 cm)
	08		8 Triads, 0.67" OD(1.70 cm)
		XXXX	Length in Feet



# CMCP400 Series Instrument Cable

## CMCP450 LAN Interconnect Cable

The **CMCP450** is used to connect monitoring systems to host computers when using a condition Monitoring vendors proprietary Local Area Network. CMCP450 cable is black, PVC jacketed, 20 AWG Polyethylene insulated wire, twisted pair with 100% foil coverage and 86% covered with tinned braid shielded cable. It is rated to 75° C (167° F).

### Ordering Information:

CMCP400	-XXXX	Length in Feet
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**Maximum Rill Length:** 2,500 ft.  
**Impedance:** 15.5 pf/ft.