

# UNITRONIC® CY PiDY (TP)



Multi-Pair, Individually Shielded and Jacketed, DIN Color Code  
250V Industrial Communication Cable

The UNITRONIC® European series of communication cables have been designed for general purpose installation in industrial signal and bus applications that utilize the DIN-47100 color code. EMC resistant designs with foil and braid shielding construction is available in all conductor styles.

### Recommended Applications:

RS-232, Data Buses, Process Control Instrumentation, Low Voltage Signaling and Interconnect.

### Application Advantage:

- Outstanding EMC protection against signal coupling
- Extended Temperature Rating of -40°C to 80°C
- Excellent resistance to Acids, Caustics and Oils
- Highly flexible for ease of installation (not recommended for flexing applications)

### UNITRONIC® CY PiDY (TP) Twisted Pair Construction:

Stranded bare copper conductors; PVC insulation; conductors cabled into pairs; tinned copper braid over each pair with an inner PVC jacket; clear mylar wrap; overall tinned copper braid; gray PVC jacket.



**Cable Attributes, See Page 653**

	Oil Resistance: OR-01		Flame Resistance: FR-02
	Motion Type: FL-01		Mechanical Properties: MP-01

**Availability:**

Standard put-ups are 328ft, 1640ft, and 3280ft. Bulk reels can be cut to length.

**Complete the installation with:**

	SKINTOP® Strain Relief: Page 486		EPIC® Connectors: Page 251
	OLFLEX® Tubing: Page 546		Assemblies: Page 627

### Technical Data:

Minimum Bend Radius for installation:	6 x cable diameter	Inductance:	Nominal 0.45 mH/km
Temperature Range:	-30°C to +80°C	Mutual Capacitance:	Cond./cond: 120 nF/km Cond./shield: 160 nF/km
Working Voltage:	250V	Conductor Stranding:	Fine Wire
Test Voltage:	1200V	Color Code:	DIN 47100, Chart 7, Page 673
		Approvals:	Based on VDE specifications

Part Number	Number of Pairs	Nominal Outer Diameter inches	Nominal Outer Diameter mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	Approx. Weight kg/km	Part Number	Number of Pairs	Nominal Outer Diameter inches	Nominal Outer Diameter mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	Approx. Weight kg/km
24 AWG (14/34) 0.25 mm <sup>2</sup>							0034255	7	.555	13.1	96	184	274
0034250	2	.366	9.3	40	75	112	0034256	8	.606	15.7	108	218	325
0034251	3	.390	9.8	49	91	136	0034257	10	.673	16.9	126	230	342
0034252	4	.437	10.7	59	113	168	0034258	12	.720	17.4	161	279	416
0034253	5	.465	11.7	70	135	201	0034259	16	.799	19.3	213	364	542
0034254	6	.504	13.1	84	164	244							