

UNITRONIC® CY PiDY (TP)

Multi-Pair, Low-Voltage Communication & Control Cable; Individually Shielded Pairs & Overall Shield



UNITRONIC® CY PiDY (TP) is a multi-pair cable with individually shielded pairs for communication, signal, and control applications. It is designed for general purpose installations of electrical machinery. UNITRONIC® CY PiDY (TP) has a tinned copper braid for additional RFI & EMI protection.

Recommended Applications

RS-232; data buses; process control instrumentation; low-voltage signaling and interconnect; broadcast; applications with the European DIN 47100 color code

Approvals



Construction

- Conductors:** Stranded bare copper
- Pairs:** PVC; tinned copper braid; PVC jacket over braid
- Shielding:** Overall tinned copper braid
- Jacket:** PVC; pebble gray

Application Advantage

- Outstanding EMC protection against signal coupling
- European color code DIN 47100
- Extended temperature range of -30°C to +70°C

Cable Attributes		page 640	
OIL	OR-01	FLAME	FR-02
MOTION	FL-01	MECH.	MP-01

Complete the Installation	
SKINTOP® MS-SC page 516	EPIC® Connectors page 280

Technical Data

Minimum Bend Radius: - for installation: 6 x cable diameter	Inductance: Nominal 0.65 mH/km
Temperature Range: - for stationary use: -30°C to +70°C - for flexible use: -5°C to +50°C	Loop Resistance: < 160 Ω x km
Nominal Voltage: 250V	Characteristic Impedance: Approx. 65 Ω
Test Voltage: 1200V	Mutual Capacitance: - Conductor/conductor: 37 pF/ft - Conductor/shield: 48 pF/ft
Conductor Stranding: Fine wire	Color Code: DIN 47100: Chart 7, page 674
Insulation Resistance: 20 GΩ x cm	Approvals: Based on VDE 0812 RoHS

Part Number	Number of Pairs	Nominal Outer Diameter (in) (mm)	Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® MS-SC PG Thread	Part Number	Number of Pairs	Nominal Outer Diameter (in) (mm)	Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® MS-SC PG Thread
24 AWG (0.25 mm²)											
0034250	2	0.367 9.3	41	75	53112230	0034255	7	0.556 14.1	97	184	53112250
0034251	3	0.386 9.8	49	91	53112230	0034256	8	0.607 15.4	109	218	53112250
0034252	4	0.438 11.1	60	113	53112230	0034257	10	0.674 17.1	126	230	53112260
0034253	5	0.465 11.8	70	135	53112240	0034258	12	0.721 18.3	161	280	53112260
0034254	6	0.504 12.8	85	164	53112240	0034259	16	0.800 20.3	213	364	53112260

Recommended SKINTOP® assumes minimal OD variance. Additional configurations are available; please see our SKINTOP® section. If not otherwise specified, all values relating to the product are nominal values. Photographs are not to scale and are not true representations of the products in question. For current information go to our website.