

## UNITRONIC® CY PiDY (TP)

Low-voltage multi-pair communication & control cable; individually shielded pairs & overall shield

LAPP KABEL STU<sup>T</sup>GART UNITRONIC® CY PiDY (TP)



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



Cable attributes		page 648	
OIL	OR-01	FLAME	FR-02
MOTION	FL-01	MECH.	MP-01

### 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

### Complete the installation

SKINTOP® MS-SC page 522	EPIC® connectors page 284
----------------------------	------------------------------

### Technical data

<b>Minimum bend radius:</b> - for installation: 6 x cable diameter	<b>Inductance:</b> nominal 0.65 mH/km
<b>Temperature range:</b> - for stationary use: -40°C to +80°C - for flexible use: -5°C to +50°C	<b>Loop resistance:</b> < 160 Ω x km
<b>Nominal voltage:</b> 250V	<b>Characteristic impedance:</b> approx. 65 Ω
<b>Test voltage:</b> 1200V	<b>Mutual capacitance:</b> - conductor/conductor: 37 pF/ft - conductor/shield: 48 pF/ft
<b>Conductor stranding:</b> fine wire	<b>Color code:</b> DIN 47100: chart 7, page 682
<b>Insulation resistance:</b> 20 GΩ x cm	<b>Approvals:</b> based on VDE 0812 RoHS

Part number	Number of pairs	Nominal outer diameter		Copper weight	Approx. weight	SKINTOP® MS-SC PG thread
		in	mm	lbs/mft	lbs/mft	
<b>24 AWG (0.25 mm²)</b>						
0034250	2	0.367	9.3	41	75	53112230
0034251	3	0.386	9.8	49	91	53112230
0034252	4	0.438	11.1	60	113	53112230
0034253	5	0.465	11.8	70	135	53112240
0034254	6	0.504	12.8	85	164	53112240

Part number	Number of pairs	Nominal outer diameter		Copper weight	Approx. weight	SKINTOP® MS-SC PG thread
		in	mm	lbs/mft	lbs/mft	
0034256	8	0.607	15.4	109	218	53112250
0034257	10	0.674	17.1	126	230	53112260
0034258	12	0.721	18.3	161	280	53112260
0034259	16	0.800	20.3	213	364	53112260