

UNITRONIC® LIHCH (TP)



Multi-Pair, Shielded, DIN Color Code

250V Halogen-Free 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:

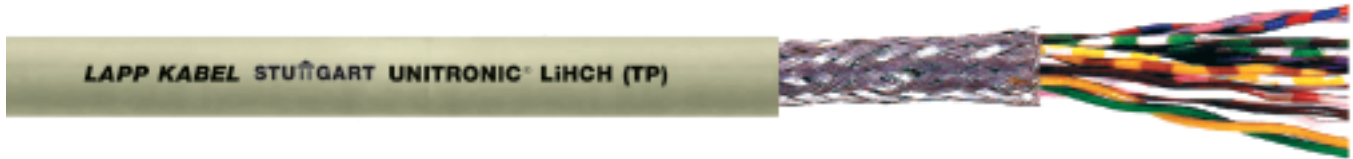
RS-232, Data Buses, Process Control Instrumentation, Low Voltage Signaling and Interconnect.

Application Advantage:

- Low Smoke Zero Halogen
- 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® LIHCH (TP) Twisted Pair Construction:

Finely stranded bare copper; halogen-free insulation; clear mylar wrap; tinned copper braided shield; gray halogen-free 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 0.65 mH/km
Temperature Range:	-30°C to +80°C	Mutual Capacitance:	Cond./cond: 80 nF/km Cond./shield: 120 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	mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	kg/km	Part Number	Number of Pairs	Nominal Outer Diameter inches	mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	kg/km
26 AWG (18/38) 0.14 mm ²							20 AWG (16/32) 0.50 mm ²						
0038302	2	.232	5.9	12	26	39	0038410	10	.441	11.2	69	106	158
0038303	3	.236	6.0	15	32	48	0038412	12	.453	11.5	81	128	190
0038304	4	.252	6.4	18	36	54	0038416	16	.500	12.7	98	160	238
0038306	6	.287	7.3	33	57	85	0038602	2	.346	8.8	32	62	93
0038308	8	.331	8.4	36	65	97	0038603	3	.350	8.9	50	87	129
0038310	10	.350	8.9	40	74	110	0038604	4	.378	9.6	55	98	146
0038312	12	.358	9.1	44	95	142	0038606	6	.445	11.3	74	133	198
0038316	16	.409	10.4	53	103	154	0038608	8	.524	13.3	93	174	259
0038320	20	.453	11.5	65	124	184	0038612	12	.594	15.1	133	238	354
0038325	25	.500	12.7	76	160	238	0038616	16	.657	16.7	161	308	459
24 AWG (14/34) 0.25 mm ²							18 AWG (32/32) 1.00 mm ²						
0038402	2	.283	7.2	19	36	54	0038802	2	.413	10.5	56	95	142
0038403	3	.287	7.3	27	44	66	0038803	3	.417	10.6	65	116	173
0038404	4	.307	7.8	30	54	81	0038804	4	.453	11.5	81	142	212
0038406	6	.343	8.7	47	77	115	0038805	5	.472	12.0	108	179	266
0038408	8	.413	10.5	52	87	130							