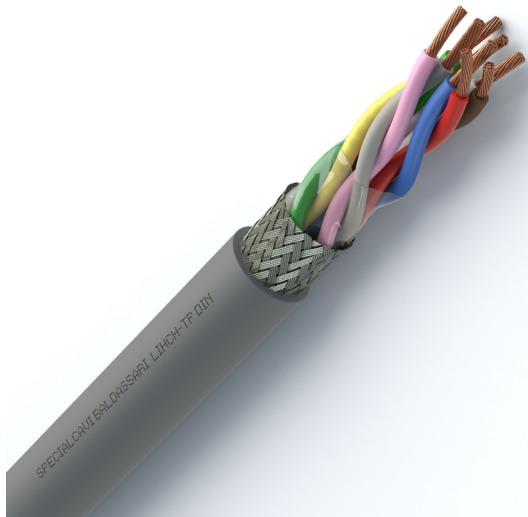




LIHCH-TP



Marking: <meters> CE 0987 SPECIALCAVI BALDASSARI LIHCH-TP <formation> IEC 60332-3-24 <lot> <year> B2CA-S1A,D0,A1



MANUFACTURING CHARACTERISTICS

Core:

Flexible bare copper conductor, class 5

Insulation:

LSZH thermoplastic compound, T16 type

Stranding:

Cores twisted in pairs

Pairs stranded in concentric layers

Wrapping and protection:

Overall polyester tape

Screen:

Overall tinned copper braid

Outer sheath:

LSZH thermoplastic compound, TM7 type

Colours:*Cores identification:*

DIN 47100

Outer sheath colour:

Grey (based on RAL 7001)

ELECTRICAL CHARACTERISTICS

Operating voltage: 300/500V

Testing voltage: 2000V

APPLICATIONS

Cable conforms to the requirements in the Construction Products Regulations (CPR EU 305/11), aimed at limiting the production and diffusion of fire and smoke.

LSZH multi-pair cables with overall screening for data transmission in electronics and computers, for signaling, measurement, command and control systems, and more generally, where there is a need for efficient protection from external electromagnetic disturbance and compact size.

It is particularly suitable in sites exposed to fire hazards and where there is a high density of people, such as schools, offices, theaters, hospitals, etc.

Suitable for installation in dry or damp indoor environments, in static or limited dynamic installation (not permanently in motion) where there is no mechanical stress.

If stored outdoors, the cable must be protected from UV rays.

Underground laying is not permitted even if protected.

STANDARDS

IEC 60228
IEC 60332-3-24 Cat.C
EN 50363

REACTION TO FIRE CLASS

EN 50575:2016 B2_{ca} - s1a, d0, a1

TEMPERATURES

Minimum working temperature:

- Fixed laying -40°C
- Occasional mobile laying w/o stress -5°C

Maximum working temperature:

- Fixed laying +70°C
- Occasional mobile laying w/o stress +70°C

Maximum short circuit temperature: +160°C

LAYING CONDITIONS



Minimum installation temperature 0°C



Min. bending radius:
d8 (fixed laying)
d15 (occasional mobile laying)



Max tensile stress:
50N/mm² (during installation)
15N/mm² (static stress)



Fixed laying



Occasional mobile laying w/o stress



In duct or cable tray



The cable stored outside must be protected from UV rays

ON REQUEST

- Customized cores identification/outer sheath colour



LHCH-TP

PART NUMBER	FORMATION	OUTER DIAMETER ¹	WEIGHT ¹	MAX ELECTRICAL RESISTANCE AT 20°C
[n°]	[n° x mm ²]	[mm]	[kg/km]	[Ohm/km]
*LHX02502	2 X 2 X 0.25	6.1	50	75.00
*LHX02503	3 X 2 X 0.25	6.4	58	75.00
*LHX02504	4 X 2 X 0.25	6.9	69	75.00
*LHX02505	5 X 2 X 0.25	7.7	84	75.00
*LHX02506	6 X 2 X 0.25	8.3	96	75.00
*LHX02508	8 X 2 X 0.25	8.9	117	75.00
*LHX02510	10 X 2 X 0.25	10.0	141	75.00
*LHX03402	2 X 2 X 0.34	6.9	60	53.00
*LHX03403	3 X 2 X 0.34	7.4	76	53.00
*LHX03404	4 X 2 X 0.34	8.1	92	53.00
*LHX03405	5 X 2 X 0.34	9.0	112	53.00
*LHX03406	6 X 2 X 0.34	9.7	128	53.00
*LHX03408	8 X 2 X 0.34	10.5	160	53.00
*LHX03410	10 X 2 X 0.34	11.9	194	53.00
*LHX05002	2 X 2 X 0.50	8.0	77	39.00
*LHX05003	3 X 2 X 0.50	8.5	95	39.00
*LHX05004	4 X 2 X 0.50	9.4	118	39.00
*LHX05005	5 X 2 X 0.50	10.4	145	39.00
*LHX05006	6 X 2 X 0.50	11.3	168	39.00
*LHX05008	8 X 2 X 0.50	12.2	210	39.00
*LHX05010	10 X 2 X 0.50	14.0	267	39.00
*LHX07502	2 X 2 X 0.75	8.4	89	26.00
*LHX07503	3 X 2 X 0.75	9.0	113	26.00
*LHX07504	4 X 2 X 0.75	9.8	137	26.00
*LHX07505	5 X 2 X 0.75	10.9	170	26.00
*LHX07506	6 X 2 X 0.75	12.0	202	26.00
*LHX07508	8 X 2 X 0.75	12.7	245	26.00
*LHX10002	2 X 2 X 1.00	9.2	107	19.50
*LHX10003	3 X 2 X 1.00	9.7	133	19.50
*LHX10004	4 X 2 X 1.00	10.8	170	19.50
*LHX10005	5 X 2 X 1.00	11.9	205	19.50
*LHX10006	6 X 2 X 1.00	13.2	252	19.50
*LHX10008	8 X 2 X 1.00	14.0	308	19.50
*LHX15002	2 X 2 X 1.50	11.0	151	13.30
*LHX15003	3 X 2 X 1.50	11.6	189	13.30
*LHX15004	4 X 2 X 1.50	13.0	248	13.30
*LHX15005	5 X 2 X 1.50	14.4	302	13.30
*LHX15006	6 X 2 X 1.50	15.8	356	13.30
*LHX15008	8 X 2 X 1.50	17.0	446	13.30

^{*} According to in-stock availability, cable which must be produced on request and minimum quantity

¹ Unless otherwise specified, the values for weight and diameter are indicative.

Note: other values, if available and released for publication, are available on request.