



<b>conductor material:</b>	stranded bare Cu conductor, fine wire
<b>strand structure:</b>	to VDE 0295 class 5/ IEC 60228 class 5 (exception 0.34 mm <sup>2</sup> = stranded bare Cu conductor 7 x 0.25mm)
<b>insulation:</b>	PE insulation
<b>cores:</b>	core identification to DIN 47100, cores twisted in pairs, pairs twisted in layers, with optimal lay lengths
<b>lapping:</b>	film lapping
<b>screen:</b>	braided screening made of tinned copper wire
<b>outer sheath:</b>	halogen-free and flame retardant
<b>sheath colour:</b>	grey RAL 7005
<b>peak operating voltage:</b>	300 V (not approved for use as mains power cable!)
<b>test voltage:</b>	1200 V
<b>insulation resistance:</b>	at +20°C ≥ 20 MOhm x km
<b>bending radius:</b>	15 x cable diameter
<b>temperature range:</b>	-5°C to +70°C flexing -40°C to +70°C fixed installation
<b>capacitance:</b>	<70 nF/km = core/core
<b>halogen-free:</b>	to IEC 60754-1 and IEC 60754-2
<b>flame retardant:</b>	to IEC 60332-1
<b>special characteristics:</b>	<ul style="list-style-type: none"><li>- reduced fire propagation</li><li>- low smoke emission</li><li>- low fire load</li><li>- no corrosive gas</li><li>- environmentally friendly</li><li>- favourable capacitance values</li></ul>
<b>application:</b>	Halogen-free, flame retardant, flexible data cable with copper screening to provide protection against electrical interference. Enhanced fire protection properties. Suitable for fixed installation or flexible applications. For unrestricted mobility without forced movement control and without exposure to tensile load. Used as connecting cable for signalling, measuring, control or intercom systems in dry and damp environments to meet stringent safety requirements. When used for outdoor applications, adequate protection against direct exposure to sunlight must be ensured and the specified temperature limits must be observed.

*The products and information presented here are for technical calculation only.*

*They are subject to technical progress and in no way represent the ability of shipment.*

*Outer diameters are approximately.*

## Li2YCH-O (TP)

halogen-free, flexible, twisted-pair data cable with overall copper braided screening, low capacitance; preferred EMC compatible cable type

KENEX PART NUMBER	NUMBER CORES X CROSS SECTION MM <sup>2</sup>	OUTER Ø APPROX. MM	COPPER WEIGHT KG/KM	CABLE WEIGHT KG/KM
13022014H	Li2YCH-O (TP) 2 x 2 x 0,14	5,5	22,5	37
13032014H	Li2YCH-O (TP) 3 x 2 x 0,14	6,2	26,0	47
13042014H	Li2YCH-O (TP) 4 x 2 x 0,14	7,4	39,1	66
13052014H	Li2YCH-O (TP) 5 x 2 x 0,14	8,0	45,3	76
13062014H	Li2YCH-O (TP) 6 x 2 x 0,14	8,3	51,4	87
13072014H	Li2YCH-O (TP) 7 x 2 x 0,14	8,7	65,0	94
13082014H	Li2YCH-O (TP) 8 x 2 x 0,14	9,4	78,0	110
13102014H	Li2YCH-O (TP) 10 x 2 x 0,14	9,8	75,0	119
13122014H	Li2YCH-O (TP) 12 x 2 x 0,14	10,6	85,0	135
13152014H	Li2YCH-O (TP) 15 x 2 x 0,14	11,4	92,4	157
13182014H	Li2YCH-O (TP) 18 x 2 x 0,14	12,6	110,0	190
13022025H	Li2YCH-O (TP) 2 x 2 x 0,25	6,0	27,1	44
13032025H	Li2YCH-O (TP) 3 x 2 x 0,25	7,0	42,4	66
13042025H	Li2YCH-O (TP) 4 x 2 x 0,25	7,9	54,4	81
13052025H	Li2YCH-O (TP) 5 x 2 x 0,25	8,6	59,8	98
13062025H	Li2YCH-O (TP) 6 x 2 x 0,25	9,0	64,6	116
13072025H	Li2YCH-O (TP) 7 x 2 x 0,25	9,5	71,3	120
13082025H	Li2YCH-O (TP) 8 x 2 x 0,25	10,0	78,0	129
13102025H	Li2YCH-O (TP) 10 x 2 x 0,25	10,7	110,0	153
13122025H	Li2YCH-O (TP) 12 x 2 x 0,25	12,1	125,0	175
13152025H	Li2YCH-O (TP) 15 x 2 x 0,25	12,9	136,0	213
13182025H	Li2YCH-O (TP) 18 x 2 x 0,25	13,6	155,0	248
13022034H	Li2YCH-O (TP) 2 x 2 x 0,34	7,2	43,3	68
13032034H	Li2YCH-O (TP) 3 x 2 x 0,34	8,5	55,0	92
13042034H	Li2YCH-O (TP) 4 x 2 x 0,34	9,5	64,0	110
13052034H	Li2YCH-O (TP) 5 x 2 x 0,34	10,0	74,5	128
13062034H	Li2YCH-O (TP) 6 x 2 x 0,34	10,6	85,0	147
13072034H	Li2YCH-O (TP) 7 x 2 x 0,34	11,1	91,0	154
13102034H	Li2YCH-O (TP) 10 x 2 x 0,34	13,2	125,8	209
13122034H	Li2YCH-O (TP) 12 x 2 x 0,34	14,3	139,4	245
13152034H	Li2YCH-O (TP) 15 x 2 x 0,34	15,1	172,0	279
13182034H	Li2YCH-O (TP) 18 x 2 x 0,34	16,8	207,0	363
13022050H	Li2YCH-O (TP) 2 x 2 x 0,50	7,7	50,2	76
13032050H	Li2YCH-O (TP) 3 x 2 x 0,50	9,0	64,5	107
13042050H	Li2YCH-O (TP) 4 x 2 x 0,50	10,2	82,0	134
13052050H	Li2YCH-O (TP) 5 x 2 x 0,50	10,7	98,0	150
13062050H	Li2YCH-O (TP) 6 x 2 x 0,50	11,5	110,0	176
13072050H	Li2YCH-O (TP) 7 x 2 x 0,50	11,9	121,0	185
13102050H	Li2YCH-O (TP) 10 x 2 x 0,50	14,3	160,0	275
13122050H	Li2YCH-O (TP) 12 x 2 x 0,50	16,0	186,0	330
13152050H	Li2YCH-O (TP) 15 x 2 x 0,50	16,9	238,0	380
13182050H	Li2YCH-O (TP) 18 x 2 x 0,50	18,2	266,0	450

## *Li2YCH-O (TP)*

*halogen-free, flexible, twisted-pair data cable with overall copper braided screening, low capacitance; preferred EMC compatible cable type*

KENEX PART NUMBER	NUMBER CORES X CROSS SECTION MM <sup>2</sup>	OUTER Ø APPROX. MM	COPPER WEIGHT KG/KM	CABLE WEIGHT KG/KM
13022075H	Li2YCH-O (TP) 2 x 2 x 0,75	9,1	64,6	105
13032075H	Li2YCH-O (TP) 3 x 2 x 0,75	10,0	92,0	137
13042075H	Li2YCH-O (TP) 4 x 2 x 0,75	11,6	115,0	166
13052075H	Li2YCH-O (TP) 5 x 2 x 0,75	12,3	128,0	200
13062075H	Li2YCH-O (TP) 6 x 2 x 0,75	13,4	146,0	236
13072075H	Li2YCH-O (TP) 7 x 2 x 0,75	13,7	170,0	255
13102075H	Li2YCH-O (TP) 10 x 2 x 0,75	15,7	222,0	363
13122075H	Li2YCH-O (TP) 12 x 2 x 0,75	18,3	270,0	434
13152075H	Li2YCH-O (TP) 15 x 2 x 0,75	19,2	330,0	500
13182075H	Li2YCH-O (TP) 18 x 2 x 0,75	20,7	390,0	580