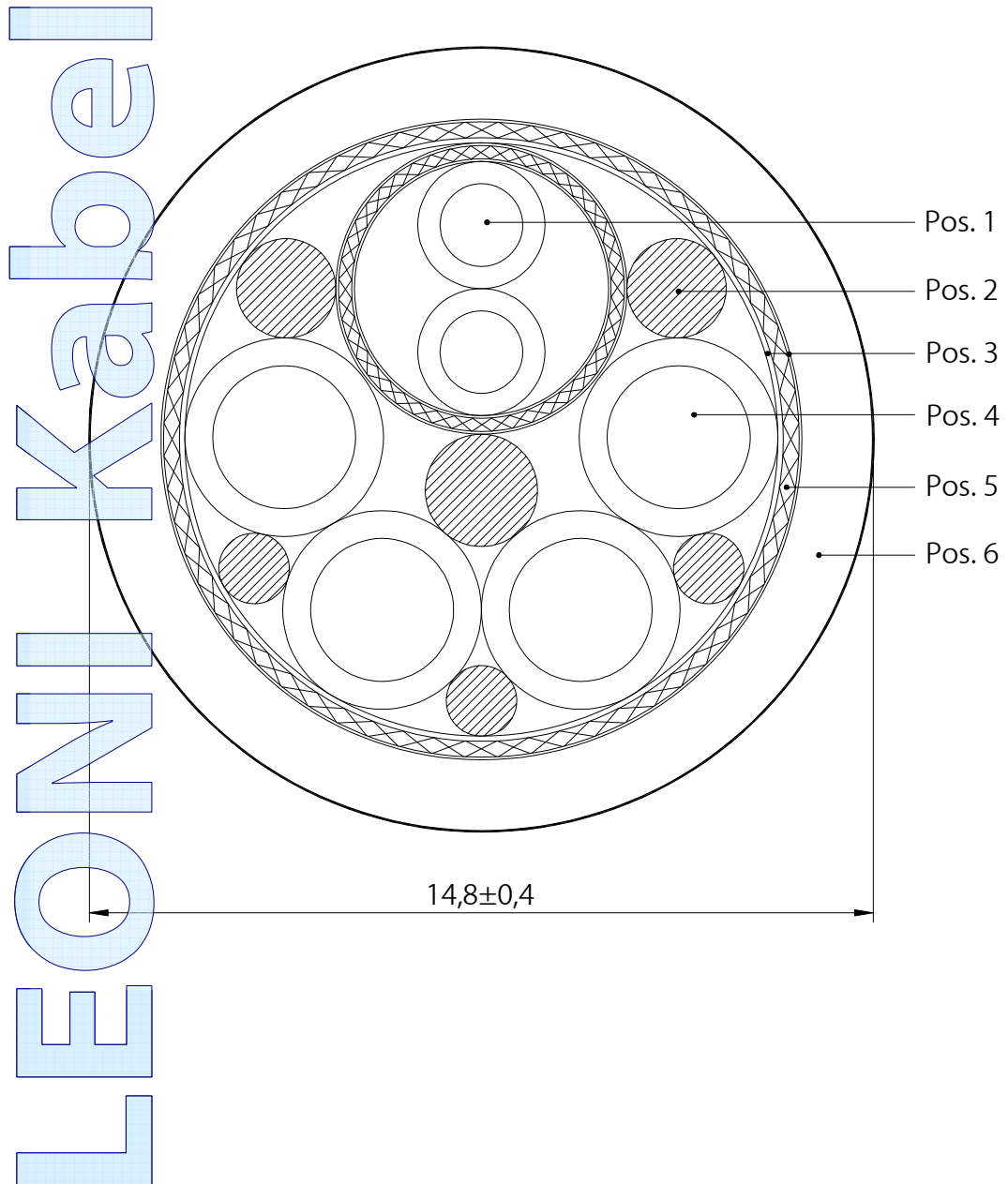


LEONI Part No.: **95040142A**
LEHC 003718 Rev.0

Construction



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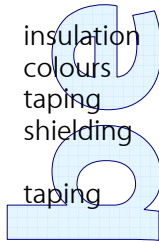
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Cable description

Pos. 1 shielded pair 2x1,5 mm²

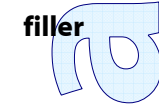
conductor

bare copper, single wire 0,15 mm
 in accordance to DIN EN 60228 cl. 6 / IEC 60228 cl. 6
 PP
 white and black,



braiding of tinned copper wires 0,128 mm
 optical covering min. 85 %

Pos. 2 filler



Pos. 3 tapings



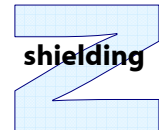
Pos. 4 4 insulated wires 4,0 mm²

conductor

bare copper, single wire 0,15 mm
 in accordance to DIN EN 60228 cl. 6 / IEC 60228 cl. 6
 PP
 black wires with white marking U/L1/C/L+,
 V/L2, W/L3/D/L-, greenyellow



Pos. 5 shielding



braiding of tinned copper wires 0,15 mm
 optical covering min. 85 %

Pos. 6 outer jacket

colour
 overprint in black with Inkjet

Polyurethan in accordance to DIN VDE 0282 Teil 10 / HD22.10 S2
 orange mat following RAL 2003
 LEONI LRO FieldLink MC LEHC 003718 Rev.0
 [4x4,0+(2x1,5)] XX/YYYY
 E47543 AWM STYLE 21223 I/II A/B 80°C 1000V FT-1
 VDE-REG.NR. 8407
 production week
 production year
14,8 ± 0,4 mm



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Electrical properties

operating voltage	Pos. 4	U_0/U	0,6/1,0 kV
	Pos. 4 according to IEC 60332-1	max.	1000 V
	Pos. 1	max.	24 V
test voltage	Pos. 1 according to IEC 60332-1	max.	1000 V
	Pos. 4 conductor/conductor		4,0 kV 50Hz AC
	Pos. 4 conductor/shield		4,0 kV 50Hz AC
	Pos. 1 conductor/conductor		4,0 kV 50Hz AC
	Pos. 1 conductor/shield		4,0 kV 50Hz AC
conductor resistance	Pos. 1	max.	13,3 Ω /km at +20°C
	Pos. 4	max.	4,95 Ω /km at +20°C

Mechanical properties

bending radius for fixed installation	min.	5 x outside diameter
for drag chain installation	min.	115 mm
acceleration	max.	50 m/s ²
traversing speed	max.	300 m/min
bendings in drag chains	min.	10.000.000
torque at a length of 1000 mm	max.	± 30 degree
horizontal length of the cable	max.	50 m
total weight	nom.	371 kg/km

Thermal properties

treatment and installation	-20°C bis +60°C
transport and stocking	-50°C bis +80°C
operating for fixed installation	-50°C bis +80°C
for drag chain installation	-20°C bis +60°C
short cut	max. +150°C (≤ 5 sec.)

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Chemical properties

oil resistant in accordance to VDE 0282 part 10 / HD 22.10 S2 (test method to EN60811-2-1)
 flame retardant in accordance to UL 1581 Vertical Wire Flame Test (VW-1)
 flame retardant in accordance to CSA C22.2 Vertical Flame Test (FT-1)
 flame retardant in accordance to IEC 60332-1-2
 halogen free in accordance to EN 50267-2-2 / IEC 60754-2
 free of silicon and FCKW



the cable corresponds to EU – directive 2002/95/EG (RoHS)

Standard

UL Subject 758; Style 21223 and and CSA - C22.2 No. 210



E 47543

Cable is approved to UL Style 21223 80°C 1000V VW-1 and cUL AWM I/II A/B 80°C 1000V FT-1

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