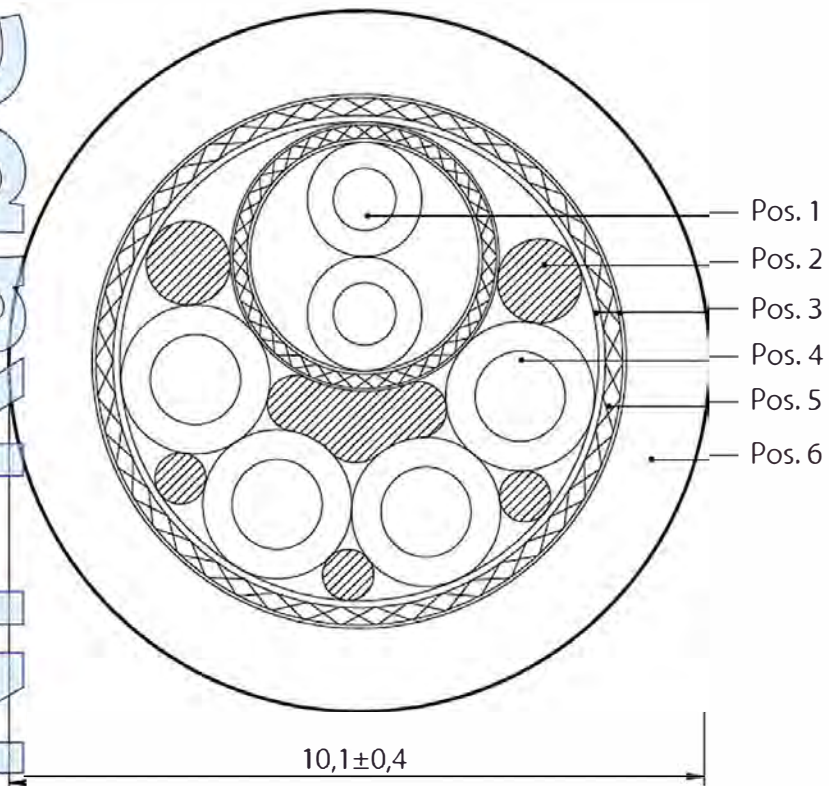


Construction

LEONI Kabel



LEONI Part No.:
LEHC 004815 Rev.0

Cable description

Pos. 1 **shielded pair 2x0,5 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 0,10 mm
 optical covering min. 85 %

Pos. 2 **filler**



Pos. 3 **tapings**



Pos. 4 **4 insulated wires 1,0 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**

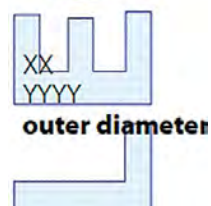


braiding of tinned copper wires 0,128 mm
 optical covering min. 85 %

Pos. 6 **outer jacket**



Polyurethan in accordance to DIN VDE 0282 Teil 10
 / HD22.10 S2
 orange mat following RAL 2003
 LEONI LRO FieldLink MC LEHC 004815 Rev.0
 [4x1,0+(2x0,5)] XX/YYYY
 E47543 c  us AWM STYLE 21223 I/II A/B 80°C 1000V FT-1
 production week
 production year
10,1 ± 0,4 mm



LEONI Part No.:
LEHC 004815 Rev.0

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.	39,0 Ω /km at +20°C
	Pos. 4	max.	19,5 Ω /km at +20°C

Mechanical properties

bending radius for fixed installation		min.	5 x outside diameter
bending radius for drag chain installation		min.	7,5 outside diameter
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.	\pm 30 degree
horizontal length of the cable		max.	50 m
total weight		nom.	157 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
operating for drag chain installation			-20°C bis +60°C
short cut		max.	+150°C (\leq 5 sec.)

LEONI Part No.:
LEHC 004815 Rev.0

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



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

LEONI