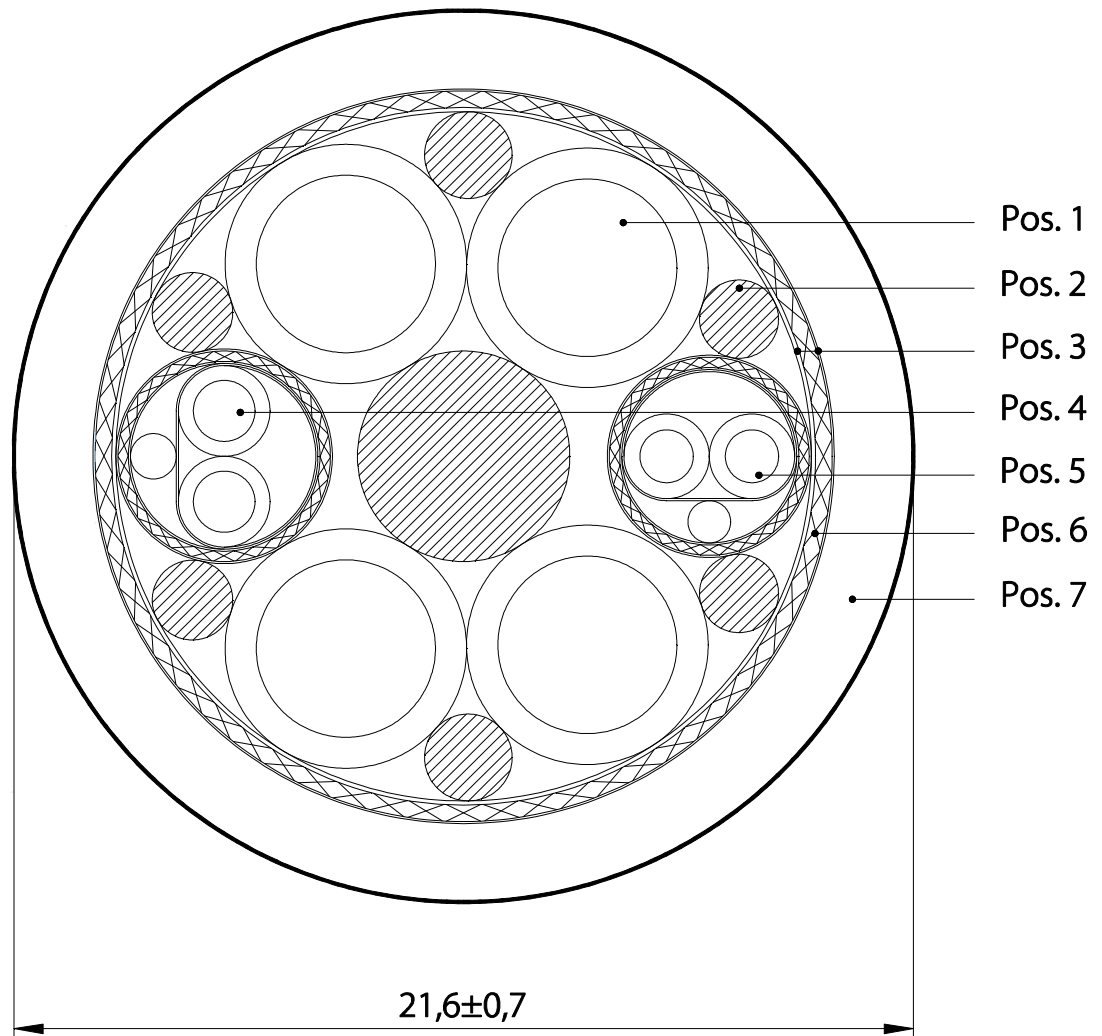


LEONI Part No.:
LEHC 004905 Rev.0


Construction



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Cable description

Pos. 1	4 insulated wires 10 mm² conductor insulation colours	bare copper, single wire 0,20 mm in accordance to DIN EN 60228 cl. 6 / IEC 60228 cl. 6 PP black wires with white numbers 1-- 3, greenyellow
Pos. 2	filler	
Pos. 3	tapings	
Pos. 4	shielded pair 2x1,5 mm² conductor insulation colours taping drainwire 0,5 mm ² 1. shielding 2. shielding taping	bare copper, single wire 0,15 mm in accordance to DIN EN 60228 cl. 6 / IEC 60228 cl. 6 PP black wires with white numbers 7 – 8 tin plated copper, single wire 0,15 mm both sides aluminized polyester tape braiding of tinned copper wires 0,128 mm optical covering min. 85 %
Pos. 5	shielded pair 2x1,0 mm² conductor insulation colours taping drainwire 0,5 mm ² 1. shielding 2. shielding taping	bare copper, single wire 0,15 mm in accordance to DIN EN 60228 cl. 6 / IEC 60228 cl. 6 PP black wires with white numbers 5 – 6 tin plated copper, single wire 0,15 mm both sides aluminized polyester tape braiding of tinned copper wires 0,128 mm optical covering min. 85 %
Pos. 6	shielding	braiding of tinned copper wires 0,20 mm optical covering min. 85 %
Pos. 7	outer jacket colour overprint in black with Inkjet XX YYYY outer diameter	Polyurethan in accordance to DIN VDE 0282 part 10 / HD22.10 S2 orange mat following RAL 2003 LEONI A FieldLink MC LEHC 004905 Rev.0 [4x10+(2x1,0)+(2x1,5)] XX/YYYY E47543  US AWM STYLE 20234 I/II A/B 80°C 1000V FT-1 production week production year 21,6 ± 0,7 mm

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Electrical properties

operating voltage	Pos. 1	U ₀ /U	0,6/1,0 kV
	Pos. 1 according 	max.	1000 V
test voltage	Pos. 4, 5	max.	24 V
	Pos. 4, 5 according 	max.	1000 V
	Pos. 1 conductor/conductor		4,0 kV 50Hz AC
	Pos. 1 conductor/shield		3,0 kV 50Hz AC
conductor resistance	Pos. 4, 5 conductor/conductor		4,0 kV 50Hz AC
	Pos. 4, 5 conductor/shield		3,0 kV 50Hz AC
conductor resistance	Pos. 1	max.	1,91 Ω/km at +20°C
	Pos. 4	max.	13,3 Ω/km at +20°C
	Pos. 5	max.	19,5 Ω/km at +20°C

Mechanical properties

bending radius for fixed installation	min.	6 x outside diameter
	for drag chain installation	min.
acceleration	max.	5 m/s ²
traversing speed	max.	180 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.	5 m
total weight	nom.	838 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
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 IEC 60754-2
free of silicon and FCKW



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

Standard

UL Subject 758, Style 20234 and CSA - C22.2 No. 210



E 47543

Cable is approved to UL Style 20234 80°C 1000V VW-1 and cUL AWM I/II A/B 80°C 1000V FT-1

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