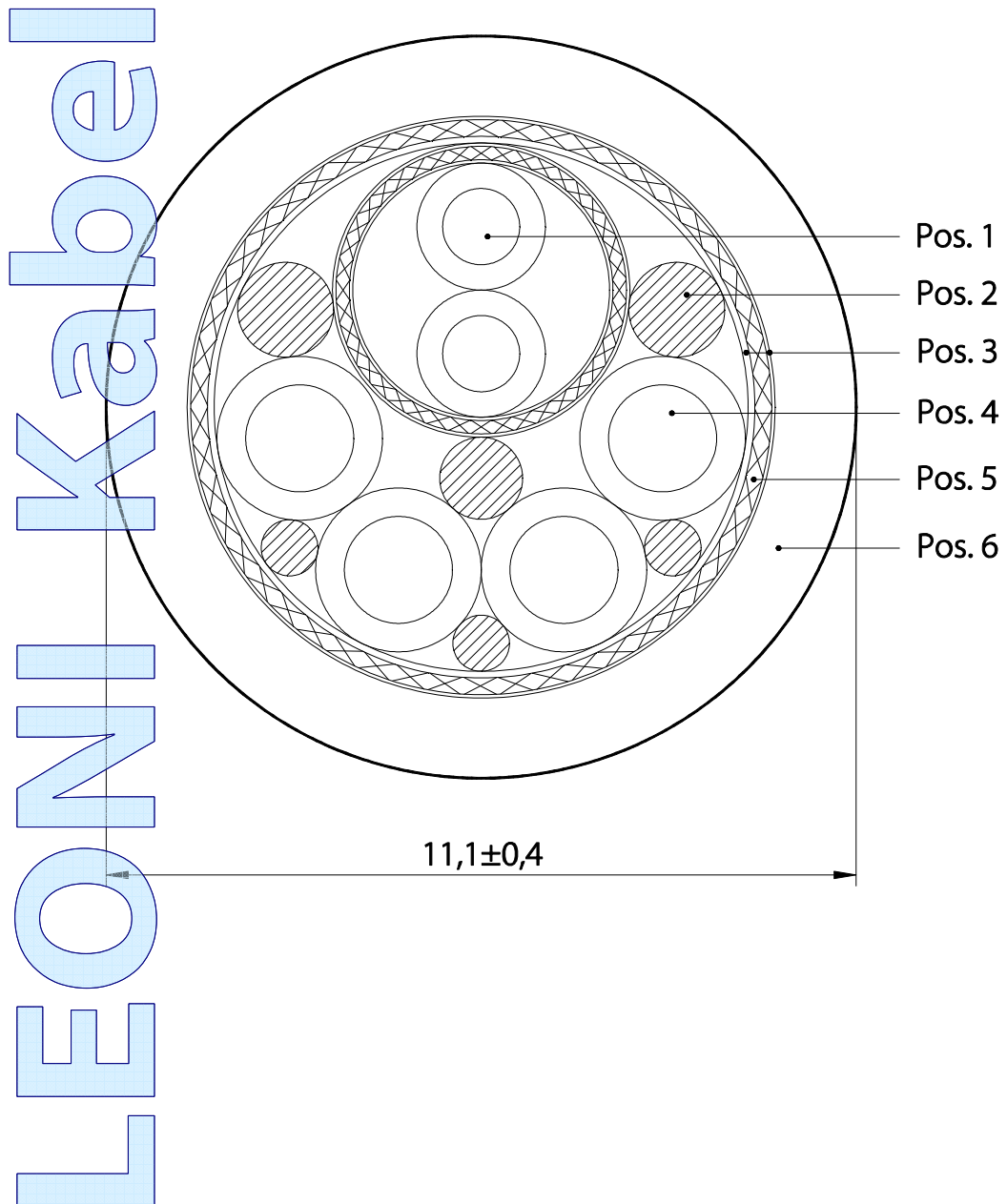


LEONI Part No.:
LEHC 004817 Rev.0

Construction



LEONI Part No.:
LEHC 004817 Rev.0

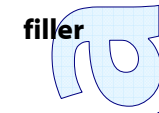
Cable description

Pos. 1 shielded pair 2x0,75 mm²



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 %

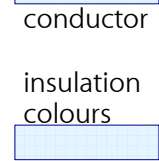
Pos. 2 filler



Pos. 3 tapings

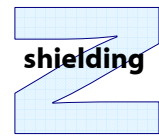


Pos. 4 4 insulated wires 1,5 mm²



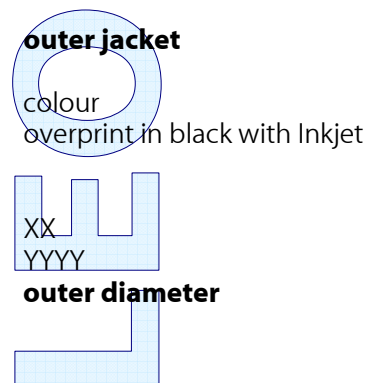
bare copper, single wire 0,15 mm
 in accordance to DIN EN 60228 cl. 6 / IEC 60228 cl. 6
 PP
 black wires with white marking U/L1/C/L+,
 V/L2, W/L3/D/L-, greenyellow


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 A FieldLink MC LEHC 004817 Rev.0
 [4x1,5+(2x0,75)] XX/YYYY
 E47543 c  us AWM STYLE 21223 I/II A/B 80°C 1000V FT-1
 production week
 production year
11,1 ± 0,4 mm

LEONI Part No.:
LEHC 004817 Rev.0

Electrical properties

| | | | |
|----------------------|---|---------|----------------------------|
| operating voltage | Pos. 4 | U_0/U | 0,6/1,0 kV |
| | Pos. 4 according to  | max. | 1000 V |
| | Pos. 1 | max. | 24 V |
| test voltage | Pos. 1 according to  | 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. | 26,0 Ω /km at +20°C |
| | Pos. 4 | max. | 13,3 Ω /km at +20°C |

Mechanical properties

| | | | |
|---------------------------------------|-----------------------------|------|----------------------|
| bending radius for fixed installation | | min. | 5 x outside diameter |
| | 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. | ± 30 degree |
| horizontal length of the cable | | max. | 50 m |
| total weight | | nom. | 194 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.) |

LEONI Part No.:
LEHC 004817 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 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

FELTEN