

# PVC encoder cables · shielded

## LÜTZE-SILFLEX® (C) Y SERVO Encoder cables



### Application

- Incremental encoder cable, termination cable for tacho sensor, brake sensor, speed sensor
- In dry and moist rooms
- For flexible application without compulsory guide

### Properties

- High active and passive interference resistance (EMC)
- PVC Flame-retardant, self-extinguishing
- Outer jacket special-PVC TM2 according to HD 21.1
- Largely resistant to acids and bases (see tech. information)
- Free from paint wetting impairment substances (LABS-free), RoHS-compliant

### Technical data

Rated voltage	300 V
Test voltage	2000 V
Insulation resistance	min. 20 MΩ × km
Temperature range	
moving	-5 °C to +70 °C
fixed	-25 °C to +70 °C
Burning behaviour	Flame-retardant according to VDE 0482 265-2; DIN EN 50265-2; IEC 60332-1

### Design

- Bare copper braid, fine stranded according to DIN VDE 0295 cl. 6 and IEC 60228 cl. 5
- Special TPVC conductor insulation
- Colour coded wires
- Ground conductor greenyellow according to DIN EN 50334
- Meshwork from tinned copper wire braid, optical covering ≥ 85 %
- Jacket special PVC TM2 according to HD21.1, matt, adhesion-free surface
- Jacket colour orange RAL 2003 or grey RAL 7001 or green RAL 6018

Part-No.	Number of strands/cross-section/ strand colours	Jacket colour	Outer-∅ approx. mm	Weight kg/100 m	Cu-Index kg/100 m
<b>For Heidenhain system</b>					
110138	(2×0.5+10×0.14) 0.5: white, brown 0.14: white, brown, green, yellow, grey, pink, blue, red, black, violet	grey	7.9	9.3	5.6
118035	(4×0.5+10×0.14) 0.5: white, brown, red, blue 0.14: white, brown, green, yellow, grey, pink, blue, red, black, violet	grey	9.0	12.0	6.5
110652	(2×(0.5)+3×(2×0.14)) 0.5: white, brown 0.14: green/yellow, grey/pink, blue/red	grey	8.0	10.2	6.1
118685		grey	9.4	9.9	5.5
<b>For Indramat System</b>					
108540	(2×0.5+4×2×0.25) 0.5: white, brown 0.25: brown/green, grey/pink, blue/vio- let, red/black	orange	8.6	10.0	5.6
<b>For Siemens system</b>					
111041	(2×0.5+3×(2×0.14)) 0.5: brownblue, brownred 0.14: black/brown, red/orange, yellow/ green	grey	8.2	8.0	6.1
108543	(2×0.5+3×(2×0.14)+4×0.14) 0.5: brownblue, brownred (0.14): black/brown, red/orange, yel- low/green 0.14: blue, grey, whiteblack, whiteyel- low	green	8.8	12.2	6.1
108544	(4×0.5+4×2×0.38) 0.5: whiteblue, whiteblack, whitered, whiteyellow 0.38: black/brown, red/orange, green/ yellow, blue/violet	green	9.0	14.4	7.3
108545	(2×0.5+3×(2×0.14)+4×0.14+4×0.23) 0.5: brownblue, brownred 0.23: greenblack, greenred, brownyel- low, browngrey (0.14): black/brown, red/orange, yel- low/green 0.14: blue, grey, whiteblack, whiteyel- low	green	10.5	15.7	8.2

CE These products are in conformity with the EU Low Voltage Direc-  
tive 2006/95/EC