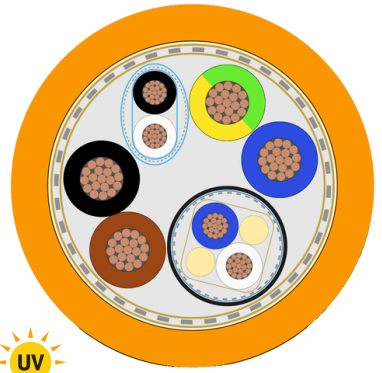




SERVO SICK HIPERFACE DSL






SICKDSL18PUR

According to SICK HIPERFACE DSL®






AWM Style 21223 (80°C / 1000V)








General Construction 4xAWG18

-  **Conductor:** Stranded bare copper wire (Class 6); nom. 1,00mm² - AWG18; nominal diameter 1,35mm; VDE 0295. Lay agree with UL 758 tab 5,9; conform to EN 13602 - ETP1, DIN 40500 E-Cu 58
-  **Insulation:** Polyolefin compound; nominal diameter 2,10mm
-  **Color Cores:** Blue – brown – black – green/yellow

General Construction 1x(2xAWG22)C

-  **Conductor:** Stranded bare copper wire (Class 6); nom. 0,34mm² - AWG22; nominal diameter 0,75mm; VDE 0295. Lay agree with UL 758 tab 5,9; conform to EN 13602 - ETP1, DIN 40500 E-Cu 58
-  **Insulation:** Foam polyolefin compound; nominal diameter 2mm
-  **Color Cores:** White – blue
-  **Shield:** Braid type; Un copper wire; nominal opUcal coverage 85% + bi-aluminized; nonwovens tape over braid screen
-  **Protective Tape:** Tape over assembly + two tapes over tape screen
- Assembly:** Two cores twisted to a pair with two solid fillers in gap

General Construction 1x(2xAWG19)

-  **Conductor:** stranded bare copper wire (Class 6); nom. 0,75mm² - AWG19; nominal diameter 1,20mm; VDE 0295. Lay agree with UL 758 tab 5,9; conform to EN 13602 - ETP1, DIN 40500 E-Cu 58
-  **Insulation:** Polyolefin compound; nominal diameter 2,00mm
-  **Color Cores:** white – black
-  **Shield:** Braid type; Un copper wire; nominal opUcal coverage 85% + bi-aluminized; nonwovens tape over braid screen
-  **Protective Tape:** PET tape over screen
- Assembly:** Two cores twisted to a pair with appropriate lay

Assembly

4x18AWG + 1x(2x22AWG) + 1x(2x19AWG) stranded together around a central fibrous filler; if necessary other fillers could be used for a better roundness

Screen

Braid type; tin copper wire; nominal opUcal coverage 85%

Sheath

Outer sheath: PUR (ether base), 90 ShA; diameter 12,70 ±0,3mm

Colour: Orange similar RAL 2003; conform to UL Style 21223

Protective Tape

Tape under and over total screen

Movement Data @20°C



Bending cycles: up to 5Mio (10 Mio stroke)

Bending radius: 7,5 x D (Flexible) - 5 x D (Fixed)

Technical data



Nominal Voltage: 1000Vrms



Test Voltage C/C: (AWG18) 4000 Vac / (AWG19) 2000 Vac / (AWG22) 1000 Vac



Temperature: -40°C to +80°C (Fixed) - 25°C to +80°C (Flexible)



Oil Resistance: According to UL758

Electric resistance: (AWG18): 19,80 Ω/Km (IEC 60344)

(AWG19): 27,70 Ω/Km (IEC 60344)

(AWG22): 62,4 Ω/Km (IEC 60344)


Mutual capacity: (AWG22): 45 ±15 pF/m (800-1000Hz)


CharacterisUc impedance (AWG22): 110 ±10 Ω



Flame Resistance: UL Cable Flame Test; CSA FT1; IEC 60332-1-2

Approval

 Halogen free according to CEI EN 60754-1 / VDE 0482-754-1

 Silicone, Pb, FCKW free

Name	Cable Type	Ø mm	Tolerance
SICKDSL18PUR	4 x 1,0 + 1 x (2 x 0,75) + 1 x (2 x 0,34)	12,70	±0,30 mm

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