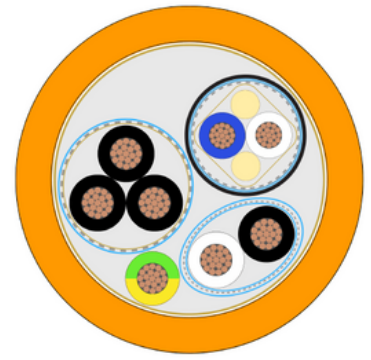




SERVO NUM



NUMDSL16PUR

AWM Style 21223 (80°C / 1000V)



General Construction



Conductor:

**(3xAWG16)C**

stranded bare copper wire (Class 6); nom.1,5mm<sup>2</sup> - AWG16; nominal diameter 1,6mm; VDE0295. Lay agree with UL 758 tab 5,9; conform to EN 13602 - ETP1, DIN40500 E-Cu 58

**1G16AWG**

stranded bare copper wire (Class 6); nom. 1,5mm<sup>2</sup> - AWG16; nominal diameter 1,6mm; VDE0295. Lay agree with UL 758 tab 5,9; conform to EN 13602 - ETP1, DIN 40500 E-Cu 58

**(2x16AWG)C**

stranded bare copper wire (Class 6); nom. 1,5mm<sup>2</sup> - AWG16; nominal diameter 1,6mm; VDE0295. Layagree with UL 758 tab 5,9; conform to EN 13602 - ETP1, DIN 40500 E-Cu 58

**1x(2x22AWG)C**

stranded bare copper wire (Class 6); nom. 0,34mm<sup>2</sup> - AWG22; nominal diameter 0,75mm; VDE0295. Lay agree with UL 758 tab 5,9; conform to EN 13602 - ETP1, DIN 40500 E-Cu 58



Insulation:

**(3x16AWG)C** polyolefin compound; nominal diameter 2,4mm

**1G16AWG** polyolefin compound; nominal diameter 2,4mm

**(2x16AWG)C** polyolefin compound; nominal diameter 2,4mm

**1x(2x22AWG)C** foam polyolefin compound; nominal diameter 2mm



Color case:

**(3x16AWG)C** black printed (U/L1/C/L+) - (V/L2) - (W/L3/D/L)

**1G16AWG** green/yellow

**(2x16AWG)C** white – black

**1x(2x22AWG)C** white – blue

Assembly:

**(3x16AWG)C** three cores stranded together; some fillers could be used for a better roundness

**(2x16AWG)C** two cores stranded together; some filler could be used for a better roundness

**1x(2x22AWG)C** two cores twisted to a pair with appropriate lay, alternate with two solid filler in PE

**4x16AWG + 1x(2x22AWG) + 1x(2x19AWG)** stranded together around a central fibrous filler; if necessary other fillers could be used for a better roundness.

**Shield:**

**(3x16AWG)C** braid type; Tin copper wire; nominal optical coverage  
85%

**(2x16AWG)C** braid type; Tin copper wire; nominal optical coverage  
85%

**1x(2x22AWG)C** braid type; Tin copper wire; nominal optical coverage  
85% + bi-aluminized; nonwovens tape over braid



**Protective Tape:** **(3x16AWG)C** tape under and 2 tapes over screen

**(2x16AWG)C** tape under and 2 tapes over screen

**1x(2x22AWG)C** tape over assembly

Tape over total assembly

**Sheath:**

PUR (ether base), 90 ShA; diameter 14,2 ±0,4mm

Colour: orange similar RAL 2003; conform to UL AWM Style 21223

## Technical data



**Nominal Voltage:** 1000Vrms



**Test Voltage:** 4000Vac (C/C) (AWG16)

2000 C/C (AWG22)



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

**Electric Resistance:** (AWG16): 13,7 Ω/Km (IEC 60344)

(AWG22): 62,4 Ω/Km (IEC 60344)



**Oil Resistance:** According to UL758




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

**Capacity (AWG22):** 45 ±15 pF/m (800-1000Hz)



**Impedance (AWG22):** 110 ±11 Ω



## Movement Data

- Bending:** up to 5 Mio
-  **Bending radius:** 5 x D (Fixed) - 7,5 x D (Flexible)

## Approval

-  Halogen-free: CEI EN 60754-1 / VDE 0482-754-1
-  UV-resistant UL 1581 - Silicone, Pb, FCKW free

Name	Cable type	Ø mm	Tolerance
NUMDSL16PUR	(3 x 1,5) + 1 x 1,5 + (2 x 1,5) + 1 x (2 x 0,34)	14,2	±0,40 mm

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