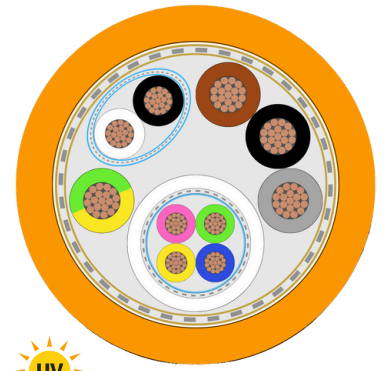




# SERVO SIEMENS OCC S210






SPHYBRID1BE21 PUR






AWM Style 21223 (80°C / 1000V)








### General Construction 4xAWG14

-  **Conductor:** Stranded tin copper wire (Class 6); nom. 2,50mm<sup>2</sup> - AWG14; nominal diameter 2,10mm; VDE 0295. Lay agree with UL 758 tab 5,9; conform to EN 13602 - ETP1, DIN 40500E-Cu 58
-  **Insulation:** Polyolefin compound; nominal diameter 3,1 mm
-  **Color Cores:** Brown printed (U/L1/C/L+) – black printed (V/L2) – grey printed (W/L3/D/L-) – green/yellow

### General Construction 1x(4xAWG26)C – EtherNet

-  **Conductor:** Stranded bare copper wire (Class 6); nom. 0,15mm<sup>2</sup> - AWG26; nominal diameter 0,50mm; VDE 0295. Lay agree with UL 758 tab 5,9; conform to EN 13602 - ETP1, DIN40500 E-Cu 58
-  **Insulation:** Polyolefin compound; nominal diameter 1,15mm
-  **Color Cores:** Blue – yellow – pink – green
-  **Shield:** Al/PET tape (aluminium face outside); nominal optical coverage 100% + braid type; tin copper wire; nominal optical coverage 85%
-  **Protective Tape:** Tape over assembly
- Assembly:** Four cores stranded together

### General Construction 1x(2xAWG16)C

-  **Conductor:** Stranded tin copper wire (Class 6); nom. 1,50mm<sup>2</sup> - AWG16; nominal diameter 1,50mm; 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 2,4mm
-  **Color Cores:** White – black
-  **Shield:** Braid type; Un copper wire; nominal optical coverage 85%
- Protective Tape:** Tape under and over screen
-  **Assembly:** Two cores twisted together

## Assembly

1x(4xAWG26)C + 1x(2xAWG16)C + 4xAWG14 stranded together around a central filler;  
some fillers could be used for a better roundness

## Screen

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

## Sheath

**Outer sheath:** PUR (ether base), 90 ShA; diameter 13,70 ±0,30 mm

**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) - 4 x D (Fixed)

## Technical data



**Nominal Voltage:** 1000 Vrms



**Test Voltage C/C:** 4000 V x 1 min.



**Temperature:** -50°C to +80°C (Fixed) - 30°C to +80°C (Flexible)



**Oil Resistance:** According to UL758

**Electric resistance:** (AWG16): 14,10 Ω/Km (IEC 60344)

(AWG14): 9,00 Ω/Km (IEC 60344)



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

## Electrical - EtherNet Cat.5e

**Test Voltage:** (AWG26) 1000 V x 1 min.

**Electric resistance:** (AWG26) 127,30 Ω/Km (IEC 60344)


**Characteristic impedance:** 100Ω ±15Ω


**Capacitance:** 55 pF/m ±15 pF/m

**Capacitance (Core/Screen):** 105 pF/m ±15 pF/m

**Nominal inductance:** 0,5 μH/m

## Approval

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

 Silicone, Pb, FCKW free

Name	Cable Type	Ø mm	Tolerance
SPHYBRID1BE21	4 x 2,5 + 1 x (2 x 1,5) + 1 x (4 x 0,15)	13,7	±0,30 mm

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