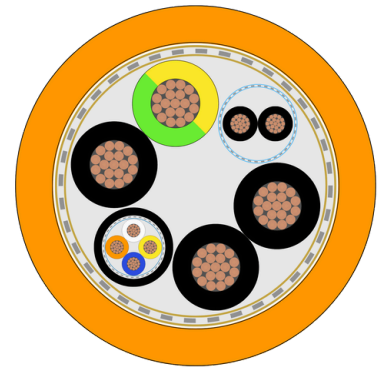




SERVO BOSCH ACURO LINK



A ACURO8-24 PUR
AWM Style 21223 (80°C / 1000V)



General Construction 1x(4xAWG24)C – EtherNet Cat.5e



Conductor: Stranded bare copper wire; nom. 0,20mm² - AWG24; nominal diameter 0,60mm. Lay agree with UL 758 tab 5,9; conform to EN 13602 - ETP1, DIN 40500 E-Cu 58



Insulation: Polyolefin compound; nominal diameter 1,45mm



Color Cores: White – yellow – blue – orange



Shield: Al/PET tape (aluminium face outside); nominal optical coverage 100% + braid type; Rn copper wire; nominal optical coverage 85%

Sheath: Thermoplastic elastomer polyolefin based; nom. diameter 5,10mm; colour black similar RAL 9005

Assembly: Four cores stranded together

General Construction 1x(2xAWG16)C



Conductor: Stranded bare copper wire; nom. 1,50mm² - AWG16; nominal diameter 1,60mm. Lay agree with UL 758 tab 5,9; conform to EN 13602 - ETP1, DIN 40500 E-Cu 58



Insulation: Polyolefin compound; nominal diameter 2,40mm



Color Cores: black numbered 7 and 8



Shield: braid type; Rn copper wire; nominal opRcal coverage 85%



Protective Tape: tape under and over screen

Assembly: two cores twisted together; some filler could be used for a better roundness

General Construction 4xAWG8



Conductor: Stranded bare copper wire; nom. 10,0mm² - AWG8; nominal diameter 4,40mm. Lay agree with UL 758 tab 5,9; conform to EN 13602 - ETP1, DIN 40500 E-Cu 58



Insulation: Polyolefin compound; nominal diameter 6,05mm



Color Cores: Black numbered 1 to 3 + green/yellow

Shield

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

Assembly

1x(4xAWG24)C + 1x(2xAWG16)C + 4xAWG8 stranded together around a central filler;
some fillers could be used for a better roundness

Protective Tape

First: Tape over total assembly

Second: Tape over total screen

Sheath

Outer sheath: PUR (ether base), 90 ShA; diameter 21,60 ±0,70mm

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

Electrical (Ethernet Cat.5e)

Test voltage (AWG24): 1500 V x 1 min.

Electric resistance (AWG24): 97,5 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

Movement Data



Speed: 300 m/min









Acceleration: 50 m/sec²





Torsion: +30°/1m

Technical data

-  **Bending Radius:** 5 x Ø (Fixed) / ≥7,5 x Ø (Flex) / ≥15 x Ø (Flex)
-  **Flame Resistance:** UL Cable Flame Test; CSA FT1; IEC 60332-1-2
-  **Nominal Voltage:** 100Vrms
-  **Test Voltage:** (AWG16): 3000 V x 1 min. / (AWG8): 4000 V x 1 min.
- Electric resistance:** (AWG16): 13,7 Ω/Km (IEC 60344) /
(AWG8): 2,0 Ω/Km (IEC 60344)
-  **Temperature:** 40°C to +80°C (Fixed) - 25°C to +80°C (Flexible)
-  **Oil Resistance:** According to UL758

Approval

-  UV Resistance according to UL 1581
-  Silicone, Pb, FCKW free

Name	Cable Type	Ø mm	Tolerance
ACURO8-24	4 x 10 + 1 x (2 x 1,5) + 1 x (4 x 0,20)	21,6	±0,70 mm

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