







SS2X2X0,18+5X0,50 PUR
According to FANUC®
AWM Style 20233 (80°C / 300V)



General Construction

-  **Conductor:** **2x2xAWG25**
stranded tin copper wire 0,10mm (Class 6); nom. 0,18mm² - AWG25; nominal diameter 0,6mm; VDE 0295. Lay agree with UL 758 tab 5,9; conform to EN 13602 - ETP1, DIN 40500 E-Cu 58
- 5xAWG21**
Stranded tin copper wire 0,10mm (Class 6); nom. 0,50mm² - AWG21; nominal diameter 1,00mm; VDE 0295.
Lay agree with UL 758 tab 5,9; conform to EN 13602 - ETP1, DIN 40500 E-Cu 58
-  **Insulation:** **2x2xAWG25** polyolefin; nominal diameter 1,1mm
5xAWG21 polyolefin; nominal diameter 1,5mm
-  **Color Cores:** **2x2xAWG25** (white-brown – black-violet)
2xAWG21 (grey – yellow – green – pink – blue)
- Assembly:** **2x2xAWG25** four cores twisted in two pairs
1x2xAWG25 + 5xAWG21 stranded together around a central pair 1x2xAWG25
-  **Shield:** Braid type; tin copper wire; nominal optical coverage 85%
DW: tin copper wire 0,10mm; nom. 0,18mm² / AWG25;
under braid screen
-  **Protective Tape:** Tape under and over screen
-  **Sheath:** Outer sheath: PUR (ether base), 90 ShA; diameter 7,70 ±0,2mm
Colour: green similar RAL 6018 (mac finish); conform to UL AWM Style 20233

Technical data



Nominal Voltage: 300Vrms



Test Voltage: 1500 Vac (C/C)



Temperature: -40°C to +80°C (Fixed) - 20°C to +80°C (Flexible)

Conductor Resistance: (AWG25): 121 Ω/Km (IEC 60344)

(AWG21): 41,9 Ω/Km (IEC 60344)



Oil Resistance: According to UL758



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

Movement Data



Bending cycles: 10 Mio (20 Mio bends)



Bending radius: 5 x D (Fixed) - 10 x D (Flexible)



Speed: 220 m/min



Acceleration: 12 m/sec²

Approval



Halogen-free: CEI EN 60754-1 / VDE 0482-754-1



UV Resistant - Silicone, Pb, Cd, Hg, FCKW free

Hydraulic fluid, coolant emulsifier, alkali: resistant to a large extent

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Customer responsibility to verify suitability of the product for the intended purpose remains. Processing and application of the goods are outside of our control possibilities. Right to technical changes is reserved.



Name	Cable type	Ø mm	Tolerance
SS2X2X0,18+5X0,50	2 x 2 x 0,18 + 5 x 0,5	7,7	±0,20 mm

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