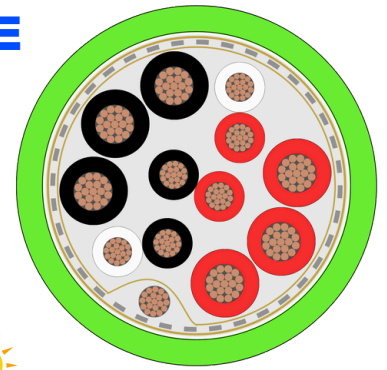




FEEDBACK MOBILE FANUC



SS3X(2X0,18)+6X1 PUR

According to FANUC®

AWM Style 20233 (80°C / 300V)



General Construction



Conductor:

3x(2xAWG25)

stranded .n copper wire 0,10 (Class 6); nom.

0,18mm² - AWG25; nominal diameter 0,60mm; VDE 0295.

Lay agree with UL 758 tab 5,9; conform to EN 13602 -

ETP1, DIN 40500 E-Cu 58

6xAWG18

stranded .n copper wire 0,25mm (Class 5); nom.

1,0mm² - AWG18; nominal diameter 1,25mm; VDE 0295.

Lay agree with UL 758 tab 5,9; conform to EN 13602 -

ETP1, DIN 40500 E-Cu 58



Insulation:

3x(2xAWG25) polyolefin; nominal diameter 1,1mm

6xAWG18 polyolefin; nominal diameter 1,5mm



Color Cores:

3x(2xAWG25) white-red – red-black – white-black

6xAWG18 black numbered from 1 to 3 + red numbered from 4 to 6

Assembly:

3x(2xAWG25) six cores twisted in three pairs with appropriate lay

2x(2xAWG25) + 6xAWG18 stranded together around a central pair

1x(2xAWG25); some filler could be used for a better roundness



Shield:

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

DW: tin copper; 0,18mm² / 25AWG; under braid screen



Protective Tape:

First: tape over total assembly

Second: tape over total screen








Sheath:

Outer sheath: PUR (ether base), 90 ShA; diameter 8,80





±0,2mm

Colour: green; conform to UL 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)
	Electric Resistance: (AWG18): 21,6 Ω/Km (IEC 60344) (AWG25): 121 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: up to 10 Mio (20 Mio bends)
	Bending radius: 5 x D (Fixed) - 10 x D (Flexible)
	Speed: 220 m/min
	Acceleration: 12 m/sec ²

Approval

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

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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
SS3X(2X0,18)+6X1	3 x (2 x 0,18) + 6 x 1	8,8	±0,20 mm

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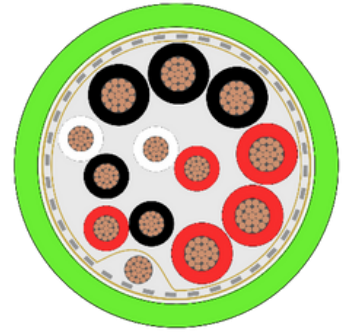


SERVO MOBILE FANUC

SS3X(2X0,18)+6X0,50 PUR

According to FANUC®

AWM Style 20233 (80°C / 300V)



3x(2x0,18mm²)

Conductor: Stranded Tin copper wire 0,10mm; nom. 0,18mm² - AWG25; nominal diameter 0,60mm; cl.6 VDE0295. Lay agree with UL 758 tab 5,9; conform to EN 13602 - ETP1, DIN 40500 E-Cu 58.

Insulation: Polyolefin; nominal diameter 1,1mm; Colour cores: White – Red – Red – Black – White – Black

Assembly: Six cores twisted in three pairs with appropriate lay; Colour pairs: (White-Red) - (Red-Black) - (White-Black).

Total Assembly

3x(2x0,18mm²) + 6x0,50mm² stranded together around a central pair 2x0,18mm² (see indicative sketch)
Some filler could be used for a better roundness.

Total Shield

Braid type; Tin copper wire; nominal optical coverage 85%.
DW: Tin copper; 0,18mm² / 25AWG; under Braid shield.

Jacket

PUR (ether base), 90 ShA; diameter 8,8 ±0,2mm; conform to UL Style 20233.

Temperature

Temperature range (fixed): -40 °C to +80°C
Temperature range (flex): -20°C to +80°C (free motion without periodic recurrence and forced guidance)

6x0,50mm²

Conductor: Stranded Tin copper wire 0,10mm; nom. 0,50mm² - AWG21; nominal diameter 1,0mm; cl.6 VDE0295. Lay agree with UL 758 tab 5,9; conform to EN 13602 - ETP1, DIN 40500 E-Cu 58.

Insulation: Polyolefin; Nominal diameter 1,5mm; Colour cores: Black numbered from 1 to 3; Red numbered from 4 to 6.

Protective Tape

Tape over total assembly.

Protective Tape

Tape over total shield.

Electrical

Voltage rating: 300 Vrms
Voltage test C/C: 1500 Vac
Max electric resistance (0,50mm²): 41,9 Ω/Km (IEC 60344)
Max electric resistance (0,18mm²): 121 Ω/Km (IEC 60344)

Chemical

Oil resistance: yes (UL758)
Free of FCKW, Silicone and Pb: yes
Halogen free: yes (CEI EN 60754-1 / VDE 0482-754-1)



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Physical

UV resistant: yes (UL1581)
Minimum bending radius (fixed): 5 x D

Flame

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

Movement data @20°C

Minimum bending radius: 10 x D
Bending cycles: up to 10 Mio (20 Mio bends)
Speed: up to 220 m/min
Acceleration: up to 12 m/sec²

Name	Cable Type	Ø mm	Tolerance
SS3X(2X0,18)+6X0,50	3 x (2 x 0,18) + 6 x 0,5	8,8	±0,20 mm

