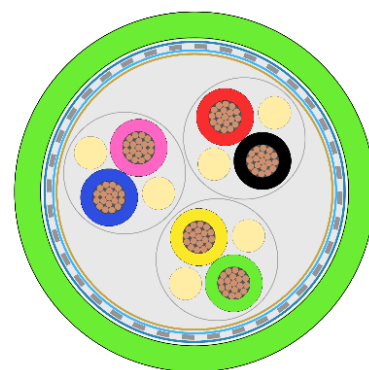


TEAM SERVO

MOBILE SIEMENS

SSSIEMENS2DC00 PUR



According to SIEMENS® 6FX8008
AWM Style 20233 (80°C / 300V)



Elements A - Pair 1x2xAWG22 (Power)

Conductor: Stranded tin copper wire; nom. 0,38mm² - AWG22; nominal diameter 0,80mm; Lay agree with UL 758 tab 5,9; conform to EN 13602 - ETP1, DIN 40500 E-Cu 58.
Insulation: PE compound; nominal diameter 1,03mm;
Assembly: Two cores twisted to a pair with fillers in gap; colour back-red.

Total Assembly

elementA + elementB₁ + elementB₂ stranded together, some fillers could be used for a better roundness (see indicative sketch); lay according to UL 758.

Shield

St type: Aluminium foil (AL/PET) overlapped, Aluminium face outside; optical coverage 100%.

C type: Braid type; Tin copper wire 0.12mm; nominal optical coverage 85%.

St type: Conductive tape (nonwovens/Al) overlapped on braid; optical coverage 100%.

Jacket

PUR (ether base), 90 ShA; diameter 7,00 ±0,20mm; conform to UL Style 20236; colour Green RAL6018.

Element B₁B₂ - Pairs 2x2xAWG24 (Data)

Conductor: Stranded bare copper wire; nom. 0,21mm² - AWG24; nominal diameter 0,60mm; Lay agree with UL 758 tab 5,9; conform to EN 13602 - ETP1, DIN 40500 E-Cu 58.
Insulation: PE compound; nominal diameter 1.03mm;
Assembly: Two cores twisted in pair with fillers in gap; colour yellow-green, blue-pink.

Protective Tape

Double nonwovens tape (TNT) over total assembly.

Protective Tape

Nonwovens tape (TNT) under jacket.

Physical

Operating temperature range: -40°C to +80°C (fixed)

Operating temperature range: -20°C to +80°C (flex)

Minimum bending radius: 4 x D (fixed)

Minimum bending radius: 7,5 x D (flex)

Microbe resistant: yes

UV resistant: yes (UL1581)

Hydrolysis resistant: yes (EN50396)



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Electrical

Max conductor resistance AWG24: 97,5 Ω /Km (IEC60344)
Max conductor resistance AWG22: 56,4 Ω /Km (IEC60344)
Insulation resistance: ≥ 2 G Ω xKm
Operating voltage: 300 Vrms
Voltage test (wire/wire/screen): 500 V x 1min (f=50Hz)
Nominal capacitance @1 KHz (element B₁B₂): 50 nF/Km
Nominal impedance @1-100 MHz (element B₁B₂): 100 Ω
Attenuation max (dB/100m): 35 dB
Near-end crosstalk min @ 1-100 MHz: min. 32 dB
Return loss min @ 1-100 MHz: min. 12 dB

Flame

Flame resistant: UL Cable flame test; CSA FT1; IEC 60332-1-2

Chemical

Oil resistant: yes (UL758)
Silicone, Pb, Cd, Hg, FCKW free: yes
Halogen free: yes (CEI EN 60754-1 / VDE 0482-754-1)
Hydraulic fluid, coolant emulsifier, alkali: resistant to a large extent

Movement Data @20°C

Bending cycles: 10 Mio (20 Mio stroke)
Max speed: 300 m/min
Max acceleration: 50 m/sec²
Torsion angle: $\leq \pm 30^\circ$ /m

Name	Cable Type	\emptyset mm	Tolerance
SSSIEMENS2DC00	2 x 2 x 0,21 + 1 x 2 x 0,38	7,0	$\pm 0,20$ mm

