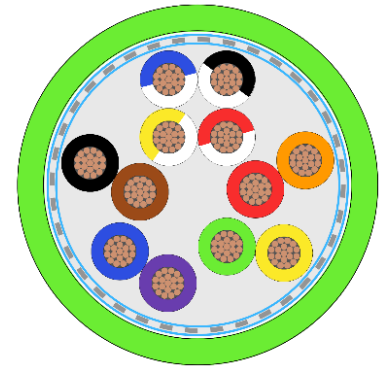


TEAM SERVO MOBILE SIEMENS SSSIEMENS1BD21 PUR



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



Elements A₁A₂A₃A₄ - Pairs 2xAWG22 (Li9Y)

Conductor: Stranded Tin copper wire 0,16mm; 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: PP compound; nominal diameter 1,30mm.
Assembly: Two cores twisted to a pair; colour red-orange, green-yellow, blue-violet, black-brown.

Total Assembly

Element A₁ + Element A₂ + Element A₃ + Element A₄ + Element B stranded together around a filler; other fillers could be used for better roundness (see indicative sketch); lay according to UL 758.

Total Shield

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

Jacket

PUR (ether base), 90 ShA; diameter 9,10 ± 0,40mm; conform to UL Style 20233; Color: Green RAL6018.

Element B - Quad 4xAWG20 (Li9Y)

Conductor: Stranded Tin copper wire 0,19mm; nom. 0,54mm² - AWG20; nominal diameter 0,95mm. Lay agree with UL 758 tab 5,9; conform to EN 13602 - ETP1, DIN 40500 E-Cu 58.
Insulation: PP compound; nominal diameter 1,30mm.
Assembly: Four cores twisted in quad; colour white/black, white/red, white/yellow, white/blue.

Protective Tape

PET tape over total assembly; Nonwovens tape (TNT) over PET tape.

Protective Tape

PET tape over total shield.

Electrical

Max conductor resistance AWG22: 56,4 Ω/Km
Max conductor resistance AWG20: 39,3 Ω/Km
Insulation resistance: ≥ 1000 MΩxKm
Nominal capacity @1KHz (Pairs AWG22): 70 nF/Km
Nominal impedance (Pairs AWG22): 90 Ω
Operating voltage: 300 V (for electronic use)
Voltage test (wire/wire/screen): 500 Vrms x 1min (f=50Hz)



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)

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)

Movement Data @20°C

Bending cycles: 10 Mio (20 Mio stroke)
Max speed (horizontal): 300 m/min
Max acceleration: 50 m/sec²
Torsion angle: ≤ ±30°/m

Name	Cable Type	Ø mm	Tolerance
SSSIEMENS1BD21	4 x (2 x 0,38) + 4 x 0,54	9,1	±0,40 mm

