









SSSIEMENS1BD51 PUR
According to SIEMENS® 6FX8008
AWM Style 20236 (80°C / 30V)









General Construction





-  **Conductor:**
- 3x2xAWG26**
Stranded tin copper wire 0,16mm; nom. 0,14mm² - AWG26;
nominal diameter 0,48mm. Lay agree with UL 758 tab 5,9;
conform to EN 13602 - ETP1, DIN 40500 E-Cu 58
 - 2xAWG20**
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
 - 4xAWG24**
Stranded tin copper wire 0,20mm; nom. 0,22mm² - AWG24;
nominal diameter 0,60mm. Lay agree with UL 758 tab 5,9;
conform to EN 13602 - ETP1, DIN 40500 E-Cu 58
 - 4xAWG16**
Stranded tin copper wire 0,16mm; nom. 0,14mm² - AWG26;
nominal diameter 0,48mm. Lay agree with UL 758 tab 5,9;
conform to EN 13602 - ETP1, DIN 40500 E-Cu 58
-  **Insulation:**
- 3x2xAWG26** PP compound; nominal diameter 0,83mm
 - 2xAWG20** PP compound; nominal diameter 1,30mm
 - 4xAWG24** PP compound; nominal diameter 1,00mm
 - 4xAWG16** PP compound; nominal diameter 0,83mm
-  **Color case:**
- 3x2xAWG26** black-brown – yellow-green – red-orange
 - 2xAWG20** brown/red – brown/blue
 - 4xAWG24** brown/yellow – brown/grey – green/black – green/red
 - 4xAWG16** grey – blue – white/yellow – white/black
- Assembly:**
- 3x2xAWG26** two cores twisted to a pair
 - 2xAWG20** two cores twisted in pair
 - 4xAWG24** four cores twisted in quad
 - 4xAWG16** four cores twisted in quad
 - 3x(2xAWG26) + 4xAWG26 + 4xAWG24 + 2xAWG20** stranded together around a filler

-  **Shield:** **3x2xAWG26** spiral type; tin copper wire; nominal optical coverage 90% + drain wire: stranded tin copper wire; nom. 0,14mm² - AWG26 (under screen)
3x(2xAWG26) + 4xAWG26 + 4xAWG24 + 2xAWG20 Braid type; tin copper wire; optical coverage 85 ±5%
-  **Protective Tape:** First: PET over total assembly
Second: nonwovens tape (TNT) over total screen
-  **Sheath:** Outer sheath: PUR (ether base), 92 ShA; diameter 9,40 ±0,40mm; conform to UL Style 20236
Colour: green RAL 6018

Technical data

-  **Nominal Voltage:** 30Vrms
-  **Test Voltage:** 500 V x 1min (f=50Hz)
-  **Temperature:** -40°C to +80°C (Fixed) - 25°C to +80°C (Flexible)
-  **Conductor Resistance:** (AWG26): 154,6 Ω/Km (IEC 60344)
(AWG24): 98,0 Ω/Km (IEC 60344)
(AWG20): 39,3 Ω/Km (IEC 60344)
-  **Oil Resistance:** According to UL758
-  **Flame Resistance:** UL Cable flame test; CSA FT1; IEC 60332-1

Movement Data

-  **Bending cycles:** 10 Mio (20 Mio bends)
-  **Bending radius:** 5 x D (Fixed) - 10 x D (Flexible)
-  **Speed:** 300 m/min
-  **Acceleration:** 50m/sec²
- Torsion:** ≤ ±30 °/m

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

Name	Cable type	Ø mm	Tolerance
SSSIEMENS1BD51	3 x (2 x 0,14) + 4 x 0,14 + 4 x 0,22 + 2 x 0,54	9,4	±0,40 mm

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