







SSSIEMENS1BD31 PUR
According to SIEMENS® 6FX8008
AWM Style 20236 (80°C / 30V)



General Construction

-  **Conductor:** **2x(1xAWG21) (supply)**
Stranded tin copper wire 0,20mm; nom. 0,50mm²- AWG21;
nominal diameter 1,00mm. Lay agree with UL 758 tab 5,9;
conform to EN 13602 - ETP1, DIN 40500 E-Cu 58
3x(2xAWG26) (data)
Stranded tin copper wire 0,10mm; nom. 0,14mm²- AWG26;
nominal diameter 0,50mm. Lay agree with UL 758 tab 5,9;
conform to EN 13602 - ETP1, DIN 40500 E-Cu 58
-  **Insulation:** **2x(1xAWG21)** polyolefin compound; nominal diameter 1,60mm
3x(2xAWG26) polyolefin compound; nominal diameter 0,85mm
-  **Color case:** **2x(1xAWG21)** black – red
3x(2xAWG26) brown-black – orange-red – green-yellow
- Assembly:** Three pairs (2xAWG26) + 2xAWG21 stranded together around a fibrous filler
-  **Shield:** **2x(1xAWG21)** spiral type; tin copper wire; nominal optical coverage >95%
3x(2xAWG26) spiral type; tin copper wire; nominal optical coverage >95%
-  **Protective Tape:** First: tape over total assembly
Second: tape over total screen
-  **Sheath:** Outer sheath: PUR (ether base), 92 ShA; diameter 8,40 ±0,20mm
Colour: green similar RAL 6018; conform to UL Style 20236

Technical data



Nominal Voltage: 30Vrms



Test Voltage: 1500 Vac



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

Conductor Resistance: (AWG21): 42,1 Ω/Km (IEC 60344)

(AWG26): 161,1 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: 4 x D (Fixed) - 7,5 x D (Flexible)



Speed: 300 m/min



Acceleration: 50 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



Name	Cable type	Ø mm	Tolerance
SSSIEMENS1BD31	3 x (2 x 0,14) + 2 x (1 x 0,5)	8,4	±0,20 mm

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