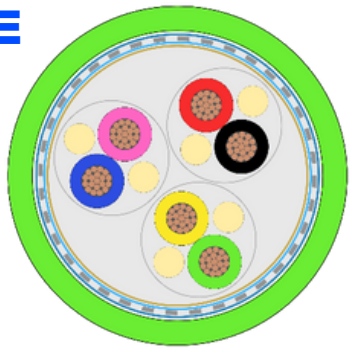










# FEEDBACK MOBILE SIEMENS



SSSIEMENS2DC00 PUR  
According to SIEMENS® 6FX8008  
AWM Style 20233 (80°C / 300V)



## General Construction

-  **Conductor:**
- 1x2xAWG22 (Power)**  
stranded tin copper wire; nom. 0,38mm<sup>2</sup> - AWG22;  
nominal diameter 0,80mm. Lay agree with UL 758 tab 5,9;  
conform to EN 13602 - ETP1, DIN 40500 E-Cu 58
  - 2x2xAWG24 (Data)**  
stranded bare copper wire; nom. 0,21mm<sup>2</sup> - AWG24;  
nominal diameter 0,60mm. Lay agree with UL 758 tab 5,9;  
conform to EN 13602 - ETP1, DIN 40500 E-Cu 58
-  **Insulation:**
- 1x2xAWG22** PE compound; nominal diameter 1,03mm
  - 2x2xAWG24** PE compound; nominal diameter 1,03mm
-  **Color case:**
- 1x2xAWG22** back – red
  - 2x2xAWG24** yellow-green – blue-pink
- Assembly:**
- 1x2xAWG22** two cores twisted to a pair with fillers in gap
  - 2x2xAWG24** four cores twisted into two pairs with fillers in gap
  - 2x2x24AWG + 2x22AWG** stranded together, some fillers could be used for a better roundness; 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%
-  **Protective Tape:**
- First: double nonwovens tape (TNT) over total assembly
  - Second: nonwovens tape (TNT) under sheath
-  **Sheath:**
- Outer sheath: PUR (ether base), 90 ShA; diameter 7,00 ±0,20mm;  
conform to UL Style 20236
  - Colour: green RAL 6018

## Technical data



**Nominal Voltage:** 300Vrms



**Test Voltage:** 500 V x 1min (f=50Hz)



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

**Conductor Resistance:** (AWG24): 97,5 Ω/Km (IEC 60344)

(AWG22): 56,4 Ω/Km (IEC 60344)



**Oil Resistance:** According to UL758



**Flame Resistance:** UL Cable flame test; CSA FT1; IEC 60332-1

**Insulation resistance:**  $\geq 2 \text{ G}\Omega\text{xKm}$

**Nominal capacitance:** (AWG24): 50 nF/Km

**Nominal impedance:** (AWG24): 100 Ω

**Attenuation max (dB/100m):** 35 dB

**Near-end crosstalk:** min. 32 dB

**Return loss:** min. 12 dB

## Movement Data



**Bending cycles:** 10 Mio (20 Mio bends)



**Bending radius:** 5 x D (Fixed) - 10 x D (Flexible)



**Speed:** 300 m/min



**Acceleration:** 50 m/sec<sup>2</sup>

**Torsion:**  $\leq \pm 30 \text{ }^\circ/\text{m}$

## 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
SSSIEMENS2DC00	2 x 2 x 0,21 + 1 x 2 x 0,38	7,0	±0,20 mm

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