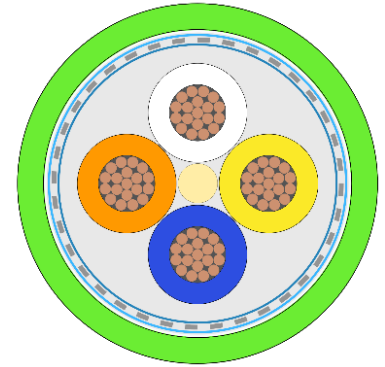


# TEAM BUS PROFINET MOBILE BUSPROFINETPUR



AWM Style 20233 (80°C / 300V)



## Conductor

Stranded tin copper wire 0,15mm; Nom. 0,34mm<sup>2</sup> - AWG22; nominal diameter 0,75mm; Cl.6 VDE0295.

Lay agree with UL 758 tab 5,9; conform to EN 13602 - ETP1, DIN 40500 E-Cu 58.

## Assembly

Cores stranded together around a central filler.

## Shield

- Al/PET tape (Aluminum face outside), nominal optical coverage 100%.
- Braid type; Tin copper wire, nominal optical coverage 80%.

## Jacket

PUR (ether base), hardness 92 ShA; Diameter 6,8 ±0,2mm; Colour Green similar RAL6018.

## Electrical transmission properties @20°C

Max conductor resistance: 60,6 Ω/Km (IEC60344)  
Insulation resistance @20°C: ≥ 500 MΩ x Km  
Nominal Impedance: 100 Ω  
Nominal Capacitance: 55 pF/m  
Nominal Capacitance (C/S): 105 pF/m

## Insulation

Polyolefin compound; Nominal diameter 1,45mm; Colour cores: Yellow – Blue – Orange – White.

## Inner Jacket

Flame retardant compound.  
Nominal diameter 4,30mm, colors natural.

## Tape

Tape over braid shield.

## Electrical

Operating voltage: 300 Vrms  
Voltage test: 2000 Vac  
Cable suitable for installation in coexistence with energy cables with voltage rating up to 0,6/1 KV

## Chemical

Oil resistance: Yes (UL758)  
Silicone, Pb, Cd, Hg, FCKW free: yes  
Halogen free: yes (CEI EN 60754-1 / VDE 0482-754-1)



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### Physical

Operating temperature range: -40°C to +80°C (fixed)  
Operating temperature range: -20°C to +70°C (flex)  
Minimum bending radius: 5 x D (fixed)  
Minimum bending radius: 7,5 x D (flex)

### Movement Data @20°C

Minimum bending radius: 7,5 x D (up to 3 Mio Bending cycles / 6 Mio Stroke)  
Minimum bending radius: 12,5 x D (up to 10 Mio Bending cycles / 20 Mio Stroke)  
Minimum bending radius: 15 x D (up to 12 Mio Bending cycles / 24 Mio Stroke)  
Max speed: 300 m/min  
Max acceleration: 50 m/sec<sup>2</sup>  
Torsion: ± 30°/m (Max cycles 2Mio)

### Flame

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

### Compliance

- ProfiNET cabling and interconnection technology Guideline for ProfiNET (5.0 May 2021)
- ISO11801-2 §9.3.2.6 - Flexible cable Class D
- IEC 61156-6 - Work area wiring Cat.5e
- Suitable for Fast Connect technology

Name	Cable Type	Ø mm	Tolerance
BUSPROFINETPUR	2 x 2 x 0,34	6,8	±0,20 mm

