



Profinet cable with PUR jacket for drag chain applications, shielded, oil resistant

STANDARDS

Product UL and CSA approval

UL Recognized / CSA

UL AWM 80° 30V
CSA AWM I A/B 80°C 30V

Oil Resistance:

EN 60811-2-1

Flame Resistance:

IEC 60332-1, CSA FT1

Environment

Compliant with RoHS Directive and European Reach regulation

DESIGN

1. **Conductor:** bare copper AWG22/7
2. **Insulation:** Polyolefin compound
3. **Stranding:** Star-quad
4. **Inner jacket:** TPE-O
5. **Shield:** ALU/PET foil + Tinned copper braid
6. **Jacket:** PUR
7. **Colour:** Green (RAL 6018)

APPLICATION

MOTIONLINE® ADVANCED PROFINET CAT 5e - TYPE C cables are designed for data communication in industrial environments according to PROFINET guideline.

PROFINET Type C cables with PUR outer sheath are particularly suitable for dynamic application in drag chains and in industrial environment like on processing and machine tools.

Reference: 10552821
Country Ref.: 13-DRX22Q01P-V1
EAN 13: 8054803127503

CONTACT

Market information
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Operating temp.
-30 ... 80 °C



Storage temperature, range
-40 ... 80 °C



Flame retardant
IEC 60332-1



Oil resistance
EN 60811-2-1

CHARACTERISTICS**Construction characteristics**

Construction type	1x(4xAWG22/7)
Conductor material	Bare copper
Insulation	Polyolefin
Insulation colour	White, Orange, Blue, Yellow
Inner sheath	TPE-O
Taping	Polyester / Alu tape (Alu outside)
Shielding	80% tinned copper braid coverage
Separator	Non woven tape
Outer sheath	Polyurethane compound
Sheath colour	Green RAL 6018

Dimensional characteristics

Nominal outer diameter	6.6 mm
Copper content	28 kg/km
Approximate weight	72 kg/km

Electrical characteristics

Rated Voltage U _o /U	30 V
Test voltage	2500 V
Characteristic impedance	100 Ohm

Transmission characteristics

Attenuation, max. 1 MHz	3.2 dB/1000m
Attenuation at 4 MHz	6.5 dB/100m
Attenuation, max. 10 MHz	9.9 dB/100m
Attenuation, max. 16 MHz	12.3 dB/100m
Attenuation, max. 20 MHz	13.8 dB/100m
Attenuation, max. 100 MHz	33.00 dB/100m

Mechanical characteristics

Bending cycles	3 Mio.
Speed	200 m/min
Maximum acceleration	10 m/s ²

Usage characteristics

Field of application	Dynamic
Minimum dynamic operating bending radius	15 (xD)
Operating temperature, range	-30 ... 80 °C
Storage temperature, range	-40 ... 80 °C
Flame retardant	IEC 60332-1
Oil resistance	EN 60811-2-1