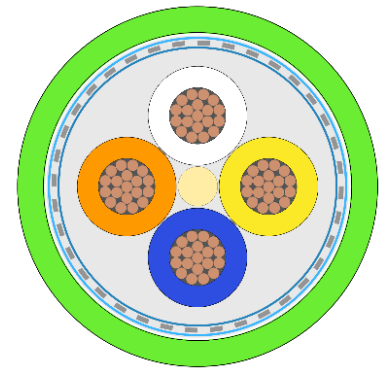


TEAM BUS PROFINET MOBILE BUSPROFINETWSOR



AWM Style 21215 (80°C / 600V)



Conductor

Tinned copper strand; according to EN 13602 - ETP1; stranding according to DIN VDE 0295, EN60228 Class 6 Stranded lay compliant with UL 758.

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

Special compound Polyurethane based, nominal hardness 78 Shore A; Silicone, Pb, Cd, Hg & FCKW free; according to UL758.
Color Green similar RAL6018

Temperature

Temperature range (fixed): -40°C to +80°C
Temperature range (flex): -10°C to +70°C (free motion without periodic recurrence and forced guidance)

Insulation

Thermoplastic PE; Insulation resistance @20°C >200 MΩxkm (IEC60189-1&IEC60885-1 or EN50289-1-4); nominal hardness 61 Shore D; according to UL758, cores colors Yellow-Blue-Orange-White.

Inner Jacket

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

Tape

Tape over braid shield.

Electrical

Voltage rating: 600 Vrms
Voltage test on core: 1500 V x 1 min.
Nominal Impedance: 100 Ω
Nominal Capacitance: 55 pF/m
Nominal Capacitance (Core/Shield): 105 pF/m
Attenuation @ 100Mhz: < 32dB/100m

Chemical

Oil resistance: Yes (UL758)
Free of FCKW, Silicone and Pb: Yes
Halogen free: No



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Physical

UV resistant: Yes (UL1581)
Weld Slag Resistance: Yes (S-300 Molex test)
Max installation pulling force: 50N
Minimum Bending radius: 5 x D (Fixed)
Minimum Bending radius: 7,5 x O (Flex)

Movement Data @20°C

Bending radius: >7,5 x D (up to 2 Mio Bending cycles / 4 Mio Stroke)
Bending radius: >12,5 x D (up to 8 Mio Bending cycles / 16 Mio Stroke)
Bending radius: >15 x D (up to 10 Mio Bending cycles / 20 Mio Stroke)
Speed: up to 300 m/min
Acceleration: up to 60 m/sec²
Torsion: ± 30°/m (Max cycles 2Mio)

Flame

UL Cable Flame Test: pass
UL VW-1, CSA FT1: pass
IEC 60332-1: pass
IEC 60332-2: pass

Compliance

Accordance to:
2014/35/UE; 2014/30/UE; 2011/65/CE; 2015/863/UE
ProfiNET cabling and interconnection technology; Guideline for ProfiNET (3.1 March 2014)
Cat.5e flex patch cord
Weld Slag Resistance: yes, S-300 Molex test
UL/CSA
EtherCAT
ECOLAB

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

