



Reference: 10563023
Country Ref.: F105012V100

CONTACT

Market information
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TPU-Control cables with low capacity insulation for extremely dynamic application, up to 1000V, PUR jacket, unshielded, oil resistant, halogen free, UL and CSA approved

STANDARDS

Product UL and CSA approval

CHARACTERISTICS

Construction characteristics

Construction type	12G0,50
Conductor material	Bare copper
Insulation	Polyolefin
Insulation colour	Black w. number + yellow/green
Taping	Non woven tape
Outer sheath	PUR
Sheath colour	Grey RAL 7001
Halogen free	Yes

Dimensional characteristics

Number of cores	12
Conductor cross-section	0.5 mm ²
Outer Diameter	8.9 mm
Copper content	60 kg/km



Halogen free
Yes



Operating temp.
-30 ... 80 °C



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



Oil resistance
EN 50363-10-2



Flame retardant
IEC/EN 60332-1-2; FT1; UL 1581 FT1

Dimensional characteristics

Approximate weight	100 kg/km
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Electrical characteristics

Rated Voltage U ₀ /U	1000 V
Test voltage	4000 V

Mechanical characteristics

Bending cycles	10 Mio.
Speed	600 m/min
Maximum acceleration	60 m/s ²

Usage characteristics

Field of application	Dynamic
Minimum dynamic operating bending radius	6.5 (xD)
Operating temperature, range	-30 ... 80 °C
Storage temperature, range	-40 ... 80 °C
Oil resistance	EN 50363-10-2
Flame retardant	IEC/EN 60332-1-2; FT1; UL 1581 FT1



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