



Reference: 10577024
Country Ref.: F105003V100

CONTACT

Market information
industryprojects.business@lynxgroup.com

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	3G0,50
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	3
Conductor cross-section	0.5 mm ²
Outer Diameter	5.3 mm
Copper content	15 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 32 kg/km

Electrical characteristics

Rated Voltage U₀/U 1000 V

Test voltage 4000 V

Mechanical characteristics

Bending cycles 10 Mio.

Speed 600 m/min

Maximum acceleration 60 m/s²

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



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