



Reference: 10553970
Country Ref.: F105004V100
EAN 13: 8054803105709

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 | 4G0,50 |
| 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 | 4 |
| Conductor cross-section | 0.5 mm ² |
| Outer Diameter | 5.7 mm |



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

| | |
|--------------------|----------|
| Copper content | 20 kg/km |
| Approximate weight | 40 kg/km |

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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