

MULTICORE SENSOR CABLES FOR DRAG CHAIN APPLICATION ADVANCED

HOME RUN CABLES FOR DRAG CHAIN APPLICATION ADVANCED 8x0,34 +3x1,0



Home run cables for very dynamic applications MOTIONLINE® ADVANCED

STANDARDS

Product UL and CSA approval

Home run cables for very dynamic applications; PUR Jacket; resistant to oils and coolants, notch resistant, flame retardant, resistant to hydrolysis and microbes, PVC- and halogen-free.

CONTACT

Market information
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Halogen free
Yes



Operating temp.
 -15 ... 80 °C



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



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



Oil resistance
 DIN EN 50363-10-2 & DIN EN 60811-404

CHARACTERISTICS

Construction characteristics

| | |
|--------------------|--|
| Construction type | 8x0,34+3x1,0 |
| Conductor material | Bending-resistant conductor with bare copper wires |
| Insulation | TPM with very low capacitance |
| Lay Up | cores stranded with filler |
| Insulation colour | See Tab |
| Outer sheath | PUR |
| Sheath colour | Black - RAL 9005 |
| Halogen free | Yes |

Dimensional characteristics

| | |
|--------------------|-----------|
| Outer Diameter | 9.2 mm |
| Copper content | 60 kg/km |
| Approximate weight | 110 kg/km |

Electrical characteristics

| | |
|---------------------------------|--------|
| Rated Voltage U ₀ /U | 300 V |
| Test voltage | 2000 V |

Mechanical characteristics

| | |
|----------------------|---------------------|
| Bending cycles | 5 Mio. |
| Speed | 180 m/min |
| Maximum acceleration | 20 m/s ² |

Usage characteristics

| | |
|--|--------------------------------------|
| Field of application | Dynamic |
| Minimum dynamic operating bending radius | 10 (xD) |
| Operating temperature, range | -15 ... 80 °C |
| Storage temperature, range | -40 ... 80 °C |
| Flame retardant | IEC 60332-1-2; UL 1581 FT1 |
| Oil resistance | DIN EN 50363-10-2 & DIN EN 60811-404 |