



SIMATIC NET,
 PROFIBUS FESTOON CABLE GP FOR FESTOONED
 CABLING,
 2-WIRE, SHIELDED,
 MAX. ACCELERATION: 4 M/QS,
 MIN. 5 MIO BENDING CYCLES,
 SOLD BY THE METER,
 MAX. CONSIGNMENT: 1000 M,
 MIN. ORDERING QUANTITY: 20 M

Acceptability for application

Specially for festoon attachment

Electrical data

| | |
|--|-------------|
| Damping ratio per length | |
| • at 9.6 kHz / maximum | 0.0030 dB/m |
| • at 38.4 kHz / maximum | 0.0040 dB/m |
| • at 4 MHz / maximum | 0.025 dB/m |
| • at 16 MHz / maximum | 0.049 dB/m |
| Impedance | |
| • Nominal value | 150 Ω |
| • at 9.6 kHz | 270 Ω |
| • at 38.4 kHz | 185 Ω |
| • for frequency range 3 MHz ... 20 MHz | 150 Ω |
| Relative symmetrical tolerance | |
| • of the surge impedance at 9.6 kHz | 10 % |
| • of the surge impedance at 38.4 kHz | 10 % |
| • of the surge impedance at 3 MHz ... 20 MHz | 10 % |
| Loop resistance per length / maximum | 133 Ω/km |
| Shield resistance per length / maximum | 19 Ω/km |
| Insulation resistance coefficient | 16000 GΩ·m |
| Capacity per length / at 1 kHz | 28 pF/m |
| Operating voltage | |

| | |
|--|---|
| • RMS value | 100 V |
| Mechanical data | |
| Number of electrical wires | 2 |
| Design of shield | Overlapped aluminum-clad foil, sheathed in a braided screen of tinned copper wires |
| Design of the electrical connection / FastConnect | No |
| Outer diameter | |
| • of the inner conductor | 0.67 mm |
| • of the wire insulation | 2.56 mm |
| • of the inner sheath of the cable | 5.8 mm |
| • of the cable sheath | 8 mm |
| Symmetrical tolerance of outer diameter / of cable sheath | 0.3 mm |
| Material | |
| • of the wire insulation | PE |
| • of the cable sheath | PVC |
| Color | |
| • of the insulation of data wires | red / green |
| • of the cable sheath | Petrol |
| Bending radius | |
| • with single bend / minimum permissible | 30 mm |
| • with continuous bending | 70 mm |
| Traction stress / maximum | 80 N |
| Weight per length | 64 kg/km |
| Permitted ambient conditions | |
| Ambient temperature | |
| • during operating | -40 ... +80 °C |
| • during storage | -40 ... +80 °C |
| • during transport | -40 ... +80 °C |
| • during installation | -40 ... +80 °C |
| • Comment | Electrical characteristics measured at 20 °C, tests according to DIN 47250 Part 4 or DIN VDE 0472 |
| Burning behaviour | flame resistant according to IEC 60332-3-24 (Category C) |
| Chemical resistance | |
| • to mineral oil | Conditional resistance |
| • to grease | Conditional resistance |
| • to water | Conditional resistance |
| Radiological resistance / to UV radiation | Resistant |
| Product properties, functions, components / general | |
| Product feature | |
| • halogen-free | No |

- silicon-free

Yes

Standards, specifications, approvals

UL/ETL listing / with 300 V rating

Yes: CMG / PLCT / Sun Res / Oil Res

UL/ETL style / with 600 V rating

yes

Verification of suitability

- CE mark

Yes

Marine classification association

- American Bureau of Shipping Europe Ltd. (ABS)

No

- Bureau Veritas (BV)

No

- Det Norske Veritas (DNV)

No

- Germanische Lloyd (GL)

No

- Lloyds Register of Shipping (LRS)

No

- Nippon Kaiji Kyokai (NK)

No

- Polski Rejestr Statkow (PRS)

No

letzte Änderung:

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