

Product type designation

Product description

Antenna cable for UHF, RP-TNC / RP-TNC

Highly flexible coaxial cable

SIMATIC RF600 connecting cable for antenna L5; pre-assembled, between reader and antenna; IP65; trailing ; PE, CMR/MPR, Length 5m



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|---------------------|---|
| Suitability for use | Plug-in cable for connecting a UHF antenna to an RF600 reader |
| Cable designation | O2YS(ST)CY 1.4/3.7-50LI |
| Wire length | 5 m |

Electrical data

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|---|---|
| Number of electrical connections | 2 |
| Type of electrical connection | RP-TNC (female, straight) / RP-TNC (female, straight) |
| Damping ratio per length <ul style="list-style-type: none"> at 900 MHz / maximum | 0.288 dB/m |
| Impedance <ul style="list-style-type: none"> Rated value | 50 Ω |
| Loop resistance per length / maximum | 30 m Ω /m |
| Operating voltage <ul style="list-style-type: none"> maximum | 1000 V |

Mechanical data

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| Design of the shield | Braided shield made of tin-plated copper wires |
| Outer diameter <ul style="list-style-type: none"> of cable sheath | 5.5 mm |

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| Symmetrical tolerance of the outer diameter / of cable sheath | 0.2 mm |
| Material | |
| <ul style="list-style-type: none"> • of inner conductor • of dielectric • of cable sheath | <p>Cu</p> <p>PE</p> <p>PVC</p> |
| Color | |
| <ul style="list-style-type: none"> • of cable sheath | Black |
| Bending radius | |
| <ul style="list-style-type: none"> • with single bend / minimum permissible • with multiple bends / minimum permissible • with continuous bending | <p>22 mm</p> <p>44 mm</p> <p>100 mm</p> |
| Number of bending cycles | 100000 |
| Number of torsion cycles / with torsion by $\pm 180^\circ$ on 1 m cable length | 3000000 |
| Tensile load / maximum | 190 N |
| Weight per length | 42 kg/km |

Ambient conditions

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|---|---|
| Ambient temperature | |
| <ul style="list-style-type: none"> • during operation • during storage • during transport • during installation | <p>-25 ... +80 °C</p> <p>-25 ... +80 °C</p> <p>-25 ... +80 °C</p> <p>-25 ... +80 °C</p> |
| Burning behavior | Flame-resistant in line with UL style 1354 (only cable without plug) |
| Radiological resistance / to UV radiation | resistant |

Product features, product functions, product components / general

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| Product feature | |
| <ul style="list-style-type: none"> • halogen-free • silicon-free | <p>No</p> <p>Yes</p> |

Further information / Internet-Links

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| Internet-Link | |
| <ul style="list-style-type: none"> • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Image database • to website: CAx Download Manager • to website: Industry Online Support | <p>https://support.industry.siemens.com/cs/ww/en/view/67384964</p> <p>http://www.siemens.com/ident/rfid</p> <p>https://mall.industry.siemens.com</p> <p>http://www.siemens.com/industry/infocenter</p> <p>http://automation.siemens.com/bilddb</p> <p>http://www.siemens.com/cax</p> <p>https://support.industry.siemens.com</p> |
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