

Control connecting cable M12-180/M12-180; 5-core; IO-Link port Class B; pre-ass. with M12 plug and M12 socket (A-coded); Straight cable outlet; Length 10 m



Figure similar

wire length	10 m
electrical data	
operating voltage / RMS value	300 V
conductor cross section / of the power line	0.4 mm ²
continuous current / of the power lines	2.5 A
mechanical data	
number of electrical cores	5
type of electrical connection	M12-180
AWG number	24
outer diameter	
• of inner conductor	0.7 mm
• of the wire insulation	1.2 mm
• of cable sheath	5.3 mm
symmetrical tolerance of the outer diameter / of cable sheath	0.3 mm
material	
• of the conductor	CU, blank
• of cable sheath	PUR
product component / PE connection	No
marking / of cores	Color
color	
• of cable sheath	Black
bending radius	
• with single bend / minimum permissible	21 mm
• with multiple bends / minimum permissible	42 mm
tensile load / maximum	10 N
weight per length	40 kg/km
plug	
type of plug interlock	screwed
design of plug-in connection	M12-180
connector coding	M12
connector coding / of the M12 circular connector	A coded
ambient conditions	
ambient temperature	
• during operation	-15 ... +80 °C
• during storage	-25 ... +80 °C
• during transport	-25 ... +80 °C
• during installation	-15 ... +80 °C

class of burning behaviour / according to EN 13501-6	Fca
chemical resistance • to mineral oil • to grease • to water	Conditional resistance Conditional resistance Conditional resistance
protection class IP	IP65 / 67
product features, product functions, product components / general	
product feature • halogen-free • silicon-free	Yes Yes
standards, specifications, approvals	
UL/ETL listing / 300 V Rating	Yes
UL/ETL style / 600 V Rating	No
certificate of suitability • EAC approval • RoHS conformity	Yes Yes
further information / internet-Links	
Internet-Link • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Selection guide for cables and connectors • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support	http://www.siemens.com/tia-selection-tool http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter https://sie.ag/2QdlxcP http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com
last modified:	5/20/2021 