Connecting cable VMPA-KMS2-8-2.5-PUR

FESTO

Part number: 533504



General operating condition

Data sheet

Frequency of connection 50 Product weight 237 g Electrical connection 1, function Field device side Electrical connection 1, design Angular Electrical connection 1, connection type Socket Electrical connection 1, cable outlet Angled Electrical connection 1, connector system Sub-D Electrical connection 1, number of connections/cores 25 Electrical connection 1, used connections/cores 9	Feature	Value
Frequency of connection Freduct weight 237 g Field device side Electrical connection 1, function Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, connection system Electrical connection 1, connection system Electrical connection 1, number of connections/cores Electrical connection 1, number of connections/cores Electrical connection 1, type of mounting 3x M3 screws Electrical connection 1, type of mounting 3x M3 screws Electrical connection 1, type of mounting Electrical connection 2, connection pattern 00995643 Electrical connection 2, connection type Electrical connection 2, connection type Electrical connection 2, connection type Electrical connection 2, connection system Open end Electrical connection 2, unumber of connections/cores 10 Electrical connection 2, unumber of connections/cores 10 Electrical connection 2, unumber of connections/cores 9 Operational voltage range DC OV 30 V Nominal operating voltage DC 24 Y Permissible current load 3 A Immunity to surge 1 kV Cable length 2.5 m Cable length 2.5 m Cable characteristic Suitable for energy chains Test conditions cable Bending radius, fixed cable Bending radius, fixed cable Bending radius, moving cable 35 mm Cable structure Nominal cross section conductor O.25 mm² Wire ends Cut off bluntly Degree of protection In assembled state	Based on standard	DIN 41652
Product weight 237 g Electrical connection 1, function Fleld device side Angular Electrical connection 1, design Angular Electrical connection 1, cable outlet Angled Electrical connection 1, cable outlet Angled Electrical connection 1, cable outlet Angled Electrical connection 1, connector system Sub-D Electrical connection 1, number of connections/cores 25 Electrical connection 1, turbe of mounting 3x M3 screws Electrical connection 1, type of mounting 3x M3 screws Electrical connection 1, connection pattern 00995643 Electrical connection 2, function Controller side Electrical connection 2, connector system Open end Electrical connection 2, connector system Open end Electrical connection 2, connector system Open end Electrical connection 2, unwher of connections/cores 10 Electrical connection 2, unwher of connections/cores 9 Operational voltage range DC Ov30 V Nominal operating voltage DC 24 V Permissible current load 3A A Immunity to surge 1kV Cable length 2.5 m Cable characteristic Suitable for energy chains Test conditions cable Test conditions on request Bending radius, fixed cable 21 mm Bending radius, moving cable 35 mm Cable diameter 7 mm Cable diameter 10 x 0.25 mm² Nominal cross section conductor 0.25 mm² Nominal cross section conductor 0.25 mm² Wire ends Cut off bluntly Degree of protection In assembled state	Cable designation	With accessories
Electrical connection 1, function Electrical connection 1, design Electrical connection 1, connection type Electrical connection 1, connector by Electrical connection 1, connector system Electrical connection 1, connector system Sub-D Electrical connection 1, number of connections/cores Electrical connection 1, used connections/cores Electrical connection 1, used connections/cores Electrical connection 1, type of mounting 3x M3 screws Electrical connection 1, type of mounting Electrical connection 2, function Controller side Electrical connection 2, connection pattern Oop95643 Electrical connection 2, connection type Cable Electrical connection 2, connection type Cable Electrical connection 2, connection system Open end Electrical connection 2, number of connections/cores 10 Electrical connection 2, used connections/cores 9 Operational voltage range DC Ov30 V Nominal operating voltage DC 24 V Permissible current load immunity to surge 1 kV Cable length Cable ength Cable characteristic Suitable for energy chains Test conditions cable Bending radius, fixed cable Bending radius, moving cable Cable titing M20x1.5 Cable diameter 7 mm Cable diameter 10 x 0.25 mm² Nominal cross section conductor 10 x 0.25 mm² Note on degree of protection In assembled state	Frequency of connection	50
Electrical connection 1, design Electrical connection 1, connection type Electrical connection 1, cable outlet Electrical connection 1, connection system Electrical connection 1, connector system Electrical connection 1, unmber of connections/cores Electrical connection 1, unweber of connections/cores Electrical connection 1, used connections/cores Electrical connection 1, type of mounting 3x M3 screws Electrical connection 1, type of mounting Electrical connection 2, function Controller side Electrical connection 2, function Controller side Electrical connection 2, connection type Cable Electrical connection 2, connection system Open end Electrical connection 2, number of connections/cores 10 Electrical connection 2, used connections/cores 9 Operational voltage range DC Ov 30 V Nominal operating voltage DC 24 V Permissible current load 3A Immunity to surge 1kV Cable length 2.5 m Cable characteristic Suitable for energy chains Test conditions cable Test conditions cable Test conditions cable Test conditions on request Bending radius, fixed cable Bending radius, moving cable Cable fitting M20x1.5 Cable diameter Amm Cable structure 10 x 0.25 mm² Nominal cross section conductor 0.25 mm² Nominal cross section conductor 0.25 mm² Nominal cross section conductor 0.25 mm² Wire ends Cut off bluntly Degree of protection In assembled state	Product weight	237 g
Electrical connection 1, connection type Electrical connection 1, cable outlet Electrical connection 1, connector system Electrical connection 1, number of connections/cores Electrical connection 1, used connections/cores Electrical connection 1, type of mounting 3x M3 screws Electrical connection 1, type of mounting 3x M3 screws Electrical connection 1, connection pattern 00995643 Electrical connection 2, function Electrical connection 2, function Controller side Electrical connection 2, connector system Open end Electrical connection 2, connector system Open end Electrical connection 2, used connections/cores 10 Electrical connection 2, used connections/cores 9 Operational voltage range DC 0 V 30 V Nominal operating voltage DC 24 V Permissible current load 3 A Immunity to surge 1 kV Cable length 2.5 m Cable characteristic Suitable for energy chains Test conditions cable Test conditions cable Test conditions on request Bending radius, fixed cable 21 mm Bending radius, fixed cable Bending radius, moving cable Cable fitting M20x1.5 Cable fitting M20x1.5 Cable fitting M20x1.5 Cable structure 10 x 0.25 mm² Nominal cross section conductor 0.25 mm² Wire ends Cut off bluntly Degree of protection In assembled state	Electrical connection 1, function	Field device side
Electrical connection 1, cable outlet Electrical connection 1, connector system Electrical connection 1, number of connections/cores Electrical connection 1, used connections/cores Electrical connection 1, type of mounting 3x M3 screws Electrical connection 1, type of mounting 3x M3 screws Electrical connection 1, connection pattern 00995643 Electrical connection 2, function Controller side Electrical connection 2, connection type Cable Electrical connection 2, connection type Electrical connection 2, connection system Open end Electrical connection 2, number of connections/cores 10 Electrical connection 2, used connections/cores 9 Operational voltage range DC 0 V 30 V Nominal operating voltage DC 24 V Permissible current load 3 A Immunity to surge 1 kV Cable length 2.5 m Cable characteristic Suitable for energy chains Test conditions cable Bending radius, fixed cable Bending radius, fixed cable Bending radius, moving cable Cable fitting M20x1.5 Cable fitting M20x1.5 Cable fitting M20x1.5 Cable fitting N20x1.5 Cabl	Electrical connection 1, design	Angular
Electrical connection 1, connector system Electrical connection 1, number of connections/cores Electrical connection 1, used connections/cores Electrical connection 1, type of mounting 3x M3 screws Electrical connection 1, type of mounting Electrical connection 1, type of mounting Electrical connection 2, connection pattern Oo995643 Electrical connection 2, function Controller side Electrical connection 2, connector type Cable Electrical connection 2, connector system Open end Electrical connection 2, number of connections/cores 10 Electrical connection 2, used connections/cores 9 Operational voltage range DC OV 30 V Nominal operating voltage DC 24 V Permissible current load 3 A Immunity to surge 1 kV Cable length 2.5 m Cable characteristic Suitable for energy chains Test conditions cable Bending radius, fixed cable Bending radius, fixed cable Bending radius, moving cable Cable fitting M20x1.5 Cable diameter 7 mm Cable structure Nominal cross section conductor 0.25 mm² Wire ends Cut off buntly Degree of protection In assembled state	Electrical connection 1, connection type	Socket
Electrical connection 1, number of connections/cores Electrical connection 1, used connections/cores Electrical connection 1, type of mounting 3x M3 screws Electrical connection 1, connection pattern 00995643 Electrical connection 2, function Controller side Electrical connection 2, connection type Cable Electrical connection 2, connector system Open end Electrical connection 2, number of connections/cores 10 Electrical connection 2, used connections/cores 9 Operational voltage range DC Volumber of connection 2 and Voltage range DC Nominal operating voltage DC 24 V Permissible current load 3 A Immunity to surge 1 kV Cable length 2.5 m Cable characteristic Suitable for energy chains Test conditions cable Bending radius, fixed cable Bending radius, fixed cable Bending radius, moving cable Cable fitting M20x1.5 Cable diameter 7 mm Cable diameter 7 mm Cable structure Nominal cross section conductor 0.25 mm² Wire ends Cut off bluntly Degree of protection In assembled state	Electrical connection 1, cable outlet	Angled
Electrical connection 1, used connections/cores Electrical connection 1, type of mounting 3x M3 screws Electrical connection 2, function Controller side Electrical connection 2, function Electrical connection 2, connection type Electrical connection 2, connection type Electrical connection 2, connection type Electrical connection 2, number of connections/cores Dopen end Electrical connection 2, number of connections/cores 10 Electrical connection 2, used connections/cores 9 Operational voltage range DC OV 30 V Nominal operating voltage DC 24 V Permissible current load 3 A Immunity to surge 1 kV Cable length 2.5 m Cable characteristic Suitable for energy chains Test conditions cable Bending radius, fixed cable Bending radius, moving cable Cable fitting M20x1.5 Cable diameter 7 mm Cable diameter Cable structure Nominal cross section conductor 0.25 mm² Nominal cross section conductor 0.25 mm² Wire ends Cut off bluntly Degree of protection In assembled state	Electrical connection 1, connector system	Sub-D
Electrical connection 1, type of mounting Electrical connection 1, connection pattern Dop95643 Electrical connection 2, function Electrical connection 2, connection type Cable Electrical connection 2, connector system Open end Electrical connection 2, number of connections/cores 10 Electrical connection 2, used connections/cores Poperational voltage range DC Ov 30 V Nominal operating voltage DC Permissible current load Immunity to surge Cable length Cable length Cable length Cable for energy chains Test conditions cable Bending radius, fixed cable Bending radius, moving cable Cable diameter T mm Cable diameter T mm Cable diameter T mm Cable structure Nominal cross section conductor Wire ends Degree of protection In assembled state	Electrical connection 1, number of connections/cores	25
Electrical connection 1, connection pattern Electrical connection 2, function Electrical connection 2, connection type Electrical connection 2, connection type Electrical connection 2, connector system Open end Electrical connection 2, number of connections/cores 10 Electrical connection 2, used connections/cores 9 Operational voltage range DC OV 30 V Nominal operating voltage DC 24 V Permissible current load 3 A Immunity to surge Cable length 2.5 m Cable characteristic Suitable for energy chains Test conditions cable Test conditions on request Bending radius, fixed cable Bending radius, moving cable Cable fitting Abox 1.5 Cable diameter 7 mm Cable diameter 7 mm Cable structure Nominal cross section conductor 0.25 mm² Wire ends Degree of protection In 665 To IEC 60529 Note on degree of protection In assembled state	Electrical connection 1, used connections/cores	9
Electrical connection 2, function Electrical connection 2, connection type Electrical connection 2, connector system Open end Electrical connection 2, number of connections/cores Io Electrical connection 2, used connections/cores Poperational voltage range DC Ov 30 V Nominal operating voltage DC Permissible current load Immunity to surge IkV Cable length 2.5 m Cable characteristic Suitable for energy chains Test conditions cable Bending radius, fixed cable Bending radius, moving cable Cable fitting M20x1.5 Cable diameter Cable diameter To mm Cable structure Nominal cross section conductor O.25 mm² Wire ends Degree of protection In assembled state	Electrical connection 1, type of mounting	3x M3 screws
Electrical connection 2, connection type Electrical connection 2, connector system Open end Electrical connection 2, number of connections/cores 10 Electrical connection 2, used connections/cores 9 Operational voltage range DC Nominal operating voltage DC Permissible current load Immunity to surge 1 kV Cable length 2.5 m Cable characteristic Suitable for energy chains Test conditions cable Bending radius, fixed cable Bending radius, moving cable Cable fitting M20x1.5 Cable diameter A mm Cable structure Nominal cross section conductor O.25 mm² Wire ends Degree of protection In assembled state	Electrical connection 1, connection pattern	00995643
Electrical connection 2, connector system Electrical connection 2, number of connections/cores Electrical connection 2, used connections/cores Poperational voltage range DC Operational voltage range DC Nominal operating voltage DC Permissible current load Inmunity to surge IkV Cable length 2.5 m Cable characteristic Suitable for energy chains Test conditions cable Bending radius, fixed cable Bending radius, moving cable Cable litting M20x1.5 Cable diameter 7 mm Cable structure Nominal cross section conductor Vier ends Cut off bluntly Degree of protection In assembled state	Electrical connection 2, function	Controller side
Electrical connection 2, number of connections/cores 10 Electrical connection 2, used connections/cores 9 Operational voltage range DC 0 V 30 V Nominal operating voltage DC 24 V Permissible current load 3 A Immunity to surge 1 kV Cable length 2.5 m Cable characteristic Suitable for energy chains Test conditions cable Test conditions on request Bending radius, fixed cable 21 mm Bending radius, moving cable 35 mm Cable litting M20x1.5 Cable diameter 7 mm Cable structure 10 x 0.25 mm² Nominal cross section conductor 0.25 mm² Wire ends Cut off bluntly Degree of protection IP65 TO IEC 60529 Note on degree of protection In assembled state	Electrical connection 2, connection type	Cable
Electrical connection 2, used connections/cores Operational voltage range DC Nominal operating voltage DC Permissible current load Immunity to surge IkV Cable length Cable characteristic Suitable for energy chains Test conditions cable Bending radius, fixed cable Bending radius, moving cable Cable fitting M20x1.5 Cable diameter T mm Cable diameter T mm Cable structure Nominal cross section conductor Wire ends Degree of protection In assembled state	Electrical connection 2, connector system	Open end
Operational voltage range DC Nominal operating voltage DC Permissible current load 3 A Immunity to surge 1 kV Cable length 2.5 m Cable characteristic Suitable for energy chains Test conditions cable Test conditions on request Bending radius, fixed cable Bending radius, moving cable 21 mm Bending radius, moving cable 35 mm Cable fitting M20x1.5 Cable diameter 7 mm Cable structure 10 x 0.25 mm² Nominal cross section conductor Wire ends Cut off bluntly Degree of protection In assembled state	Electrical connection 2, number of connections/cores	10
Nominal operating voltage DC Permissible current load Immunity to surge 1 kV Cable length 2.5 m Cable characteristic Suitable for energy chains Test conditions cable Bending radius, fixed cable Bending radius, moving cable 21 mm Bending radius, moving cable 35 mm Cable fitting M20x1.5 Cable diameter 7 mm Cable structure 10 x 0.25 mm² Nominal cross section conductor Wire ends Degree of protection New Test conditions on request 10 x 0.25 mm² Cut off bluntly Degree of protection In assembled state	Electrical connection 2, used connections/cores	9
Permissible current load Immunity to surge 1 kV Cable length 2.5 m Cable characteristic Suitable for energy chains Test conditions cable Bending radius, fixed cable Bending radius, moving cable 21 mm Bending radius, moving cable 35 mm Cable fitting M20x1.5 Cable diameter 7 mm Cable structure 10 x 0.25 mm² Nominal cross section conductor Wire ends Cut off bluntly Degree of protection P65 To IEC 60529 Note on degree of protection I kV 2.5 m 2.5 m Auxiliarian 1 kV 2.5 m Auxiliarian 2 m Auxiliarian 3 A 1 kV 1 energy chains Test conditions on request 35 mm Auxiliarian 4 m Auxiliarian 4 p Auxiliarian 5 m Cut off bluntly Degree of protection In assembled state	Operational voltage range DC	0 V 30 V
Immunity to surge 1 kV Cable length 2.5 m Cable characteristic Suitable for energy chains Test conditions cable Test conditions on request Bending radius, fixed cable 21 mm Bending radius, moving cable 35 mm Cable fitting M20x1.5 Cable diameter 7 mm Cable structure 10 x 0.25 mm² Nominal cross section conductor 0.25 mm² Wire ends Cut off bluntly Degree of protection IP65 To IEC 60529 Note on degree of protection In assembled state	Nominal operating voltage DC	24 V
Cable length Cable length Cable characteristic Suitable for energy chains Test conditions cable Test conditions on request Bending radius, fixed cable Bending radius, moving cable Cable fitting M20x1.5 Cable diameter 7 mm Cable structure 10 x 0.25 mm² Nominal cross section conductor Wire ends Degree of protection Note on degree of protection 10 x sembled state	Permissible current load	3 A
Cable characteristic Test conditions cable Bending radius, fixed cable Bending radius, moving cable Cable fitting Cable diameter Cable structure Nominal cross section conductor Wire ends Degree of protection Note on degree of protection Suitable for energy chains Test conditions on request 10 mm M20x1.5 M20x1.5 7 mm 10 x 0.25 mm² O.25 mm² Cut off bluntly IP65 To IEC 60529 Note on degree of protection In assembled state	Immunity to surge	1 kV
Test conditions cable Bending radius, fixed cable Bending radius, moving cable Cable fitting Cable diameter Cable structure Nominal cross section conductor Wire ends Cut off bluntly Degree of protection Note on degree of protection Test conditions on request Test conditions on request 10 mm M20x1.5 M20x1.5 To mm 10 x 0.25 mm² Cut off bluntly IP65 To IEC 60529 Note on degree of protection In assembled state	Cable length	2.5 m
Bending radius, fixed cable 21 mm Bending radius, moving cable 35 mm Cable fitting M20x1.5 Cable diameter 7 mm Cable structure 10 x 0.25 mm² Nominal cross section conductor 0.25 mm² Wire ends Cut off bluntly Degree of protection IP65	Cable characteristic	Suitable for energy chains
Bending radius, moving cable Cable fitting M20x1.5 Cable diameter 7 mm Cable structure 10 x 0.25 mm² Nominal cross section conductor 0.25 mm² Wire ends Cut off bluntly Degree of protection IP65 To IEC 60529 Note on degree of protection In assembled state	Test conditions cable	Test conditions on request
Cable fitting M20x1.5 Cable diameter 7 mm Cable structure 10 x 0.25 mm² Nominal cross section conductor 0.25 mm² Wire ends Cut off bluntly Degree of protection IP65 To IEC 60529 Note on degree of protection In assembled state	Bending radius, fixed cable	21 mm
Cable diameter 7 mm Cable structure 10 x 0.25 mm² Nominal cross section conductor 0.25 mm² Wire ends Cut off bluntly Degree of protection IP65 To IEC 60529 Note on degree of protection In assembled state	Bending radius, moving cable	35 mm
Cable structure 10 x 0.25 mm ² Nominal cross section conductor 0.25 mm ² Wire ends Cut off bluntly Degree of protection IP65 To IEC 60529 Note on degree of protection In assembled state	Cable fitting	M20x1.5
Nominal cross section conductor 0.25 mm² Wire ends Cut off bluntly Degree of protection IP65 To IEC 60529 Note on degree of protection In assembled state	Cable diameter	7 mm
Wire ends Cut off bluntly Degree of protection IP65 To IEC 60529 Note on degree of protection In assembled state	Cable structure	10 x 0.25 mm ²
Degree of protection IP65 To IEC 60529 Note on degree of protection In assembled state	Nominal cross section conductor	0.25 mm ²
To IEC 60529 Note on degree of protection In assembled state	Wire ends	Cut off bluntly
	Degree of protection	
Ambient temperature -25 °C 80 °C	Note on degree of protection	In assembled state
	Ambient temperature	-25 °C 80 °C

Feature	Value
Ambient temperature with moving cable	-25 °C 80 °C
CE mark (see declaration of conformity)	In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
LABS (PWIS) conformity	VDMA24364-B2-L
Note on materials	RoHS-compliant
Pollution degree	3
Corrosion resistance class CRC	2 - Moderate corrosion stress
Material cable sheath	TPE-U(PUR)
Cable sheath colour	Grey
Material housing	PA
Housing colour	grey
Material union nut	PA
Material seals	CR NBR
Material electrical contact	Gold-plated copper alloy