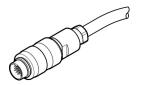
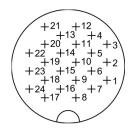
## Connecting cable NEBS-SM16G24-K-10-N-LE24 Part number: 8048654

**FESTO** 





## **Data sheet**

Sased on norm  EN 61076-2-106  DIN 47100  Sable designation  Without label holder  Product weight  Lectrical connection 1, function  Electrical connection 1, function  Electrical connection 1, connection type  Electrical connection 1, connection type  Electrical connection 1, connection type  Electrical connection 1, connection technology  Micxo.75  Electrical connection 1, occupied pins/wires  Electrical connection 1, rouncetion pattern  Ooy95770  Electrical connection 7, function  Control side  Electrical connection 2, connection technology  Open end  Electrical connection 2, connection technology  Open end  Electrical connection 2, number of pins/wires  24  Do open end  Electrical connection 2, connection technology  Open end  Electrical connection 2, connection technology  Open end  Electrical connection 2, ocnoection 2, ocnoection technology  Open end  Electrical connection 2, ocnoection technology  Open end  Electrical connection 2, ocnoection 2, ocnoection 1, ocnoection 2, ocnoectio	Feature	Value
DIN 47100  Cable designation  Without label holder  Product weight  1490 g  Clectrical connection 1, function  Clectrical connection 1, connection type  Clectrical connection 1, connection technology  Clectrical connection 1, connection technology  M16x0.75  Clectrical connection 1, number of pins/wires  24  Clectrical connection 1, type of mounting  Screw-type lock  Clectrical connection 1, function  Control side  Clectrical connection 2, connection type  Clectrical connection 2, connection type  Clectrical connection 2, connection type  Clectrical connection 2, connection technology  Open end  Clectrical connection 2, connection technology  Clectrical connection 2, conception technology  Clectrical connection 2, cocupied pins/wires  25  Clectrical connection 2, cocupied pins/wires  24  Coparating voltage range  30 V  Current rating at 40°C  Lurrent rating at 40°C  Lurrent rating at 40°C  Lurrent rating at 40°C  Surger eristance  0.5 kV  Cable length  10 m  Cable characteristic  Standard  Sending radius, fixed cable installation  3127.5 mm  Cable design  25 x 0.14 mm²  Albeid diameter  Sending radius, fixed cable installation  127.5 mm  Cable design  Cut off bluntly  Degree of protection  Normal conductor cross section  Wife ends  Cut off bluntly  Degree of protection	Type code	NEBS
Eable designation  Without label holder  Product weight  1490 g  Field device end  Field evice end  Field ev	Based on norm	EN 61076-2-106
Perduct weight 1490 g Electrical connection 1, function Field device end Electrical connection 1, design Round Electrical connection 1, connection type Plug Electrical connection 1, connection technology M16x0.75 Electrical connection 1, connection technology M16x0.75 Electrical connection 1, connection technology M16x0.75 Electrical connection 1, occupied pins/wires 24 Electrical connection 1, occupied pins/wires 24 Electrical connection 1, type of mounting Screw-type lock Electrical connection 1, type of mounting Control side Electrical connection 2, function Control side Electrical connection 2, connection type Cable Electrical connection 2, connection type Cable Electrical connection 2, connection technology Open end Electrical connection 2, cocupied pins/wires 25 Electrical connection 2, occupied pins/wires 25 Electrical connection 2, cocupied pins/wires 26 Electrical connection 2, cocupied pins/wires 26 Electrical connection 2, cocupied pins/wires 27 Electrical connection 2, cocupied pins/wires 26 Electrical connection 3, occupied pins/wires 27 Electrical connection 3, occupied pins/wires 26 Electrical connection 3, occupied pins/wires 27 Electrical connection 3, occupied pins/wires 26 Electrical connection 3, occupied pins/wires 26 Electrical connection 4, occupied pins/wires 27 Electrical connection 5, occupied pins/wires 27 Electrical connection 5, occupied pins/wires 27 Electrical connection 6, occupied pins/wires 27 Electrical connection 6, occupied pins/wires 27 Electrical connection 7, occupied pins/wires 27 Electrical connection 8, occupied pins/wires 27 Electrical connection 8, occupied pins/wires 28 Electrical connection 8, occupied pins/wires 29 Electrical connection 8, occupied pins/wires 29 Electrical connection 9, occupied pins/wires 29 Electrical connecti	Conforms to standard	DIN 47100
Electrical connection 1, function  Electrical connection 1, design  Round  Plug  Electrical connection 1, connection type  Plug  Electrical connection 1, connection type  Electrical connection 1, cable outlet  Electrical connection 1, cone to more to mor	Cable designation	Without label holder
Electrical connection 1, design  Round  Plug  Electrical connection 1, cable outlet  Electrical connection 1, cable outlet  Electrical connection 1, connection technology  M16x0.75  Electrical connection 1, number of pins/wires  Electrical connection 1, number of pins/wires  Electrical connection 1, type of mounting  Screw-type lock  Electrical connection 1, type of mounting  Electrical connection 2, function  Control side  Electrical connection 2, function  Control side  Electrical connection 2, connection type  Cable  Electrical connection 2, number of pins/wires  25  Electrical connection 2, occupied pins/wires  Do operating voltage range  30 V  Lurrent rating at 40°C  1 A  Surger resistance  0.5 kV  Cable length  Cable length  Cable characteristic  Standard  Sending radius, fixed cable installation  25 mm  Sending radius, fixed cable installation  2127.5 mm  Cable diameter  Able design  25 x 0.14 mm²  Nominal conductor cross section  Nivie ends  Cut off bluntly  Degree of protection  Ambient temperature  Ambient temperature with flexible cable installation  5° C 70° C	Product weight	1490 g
Electrical connection 1, connection type  Electrical connection 1, cable outlet  Electrical connection 1, connection technology  M16x0.75  Electrical connection 1, number of pins/wires  24  Electrical connection 1, type of mounting  Electrical connection 1, type of mounting  Electrical connection 1, type of mounting  Electrical connection 7, type of mounting  Electrical connection 7, type of mounting  Electrical connection 7, truntion  Control side  Electrical connection 2, connection type  Cable  Electrical connection 2, connection type  Electrical connection 2, connection type  Electrical connection 2, number of pins/wires  25  Electrical connection 2, occupied pins/wires  24  Corporating voltage range  Occupied pins/wires  Electrical connection 2, occupied pins/wires  An Electrical connection 2, occupied pins/wires  25  Electrical connection 2, occupied pins/wires  An Elec	Electrical connection 1, function	Field device end
Electrical connection 1, cable outlet Electrical connection 1, connection technology M16x0.75 Electrical connection 1, number of pins/wires 24 Electrical connection 1, occupied pins/wires 24 Electrical connection 1, type of mounting Screw-type lock Electrical connection 1, type of mounting Control side Electrical connection 2, function Electrical connection 2, connection pattern Oop95770 Electrical connection 2, connection type Cable Electrical connection 2, connection type Electrical connection 2, connection type Electrical connection 2, connection technology Open end Electrical connection 2, occupied pins/wires 25 Electrical connection 2, occupied pins/wires 24 Octoperating voltage range 30 V Eurrent rating at 40°C 1A Sorge resistance 30.5 kV Eable length 10 m Eable characteristic Standard Bending radius, fixed cable installation Sending radius, fixed cable installation 127.5 mm Eable dameter 8.5 mm Eable dasign 0.14 mm² Nominal conductor cross section 0.15 °C 70 °C Nominal conductor cross section stallation 1P67 Ambient temperature 3.00 °C 70 °C Nominal conductor cross cross section stallation 1P67 Ambient temperature with flexible cable installation 5 °C 70 °C	Electrical connection 1, design	Round
Electrical connection 1, connection technology Electrical connection 1, number of pins/wires Electrical connection 1, occupied pins/wires Electrical connection 1, type of mounting Electrical connection for input 1, connection pattern O0995770 Electrical connection for input 1, connection pattern Control side Electrical connection 2, function Electrical connection 2, connection type Cable Electrical connection 2, connection type Electrical connection 2, connection type Electrical connection 2, counted pins/wires Electrical connection 2, occupied pins/wires Electrical connection 3, occupied pins/wires Electrical connection 2, occupied pins/wires Electrical connection 3, occupied pins/wires Electrical connection 2, occupied pins/wires	Electrical connection 1, connection type	Plug
Electrical connection 1, number of pins/wires  Electrical connection 1, occupied pins/wires  Electrical connection 1, type of mounting  Screw-type lock  Electrical connection 2, function  Control side  Electrical connection 2, connection type  Cable  Electrical connection 2, connection type  Cable  Electrical connection 2, connection type  Cable  Electrical connection 2, connection technology  Open end  Electrical connection 2, number of pins/wires  25  Electrical connection 2, occupied pins/wires  24  Oc operating voltage range  Current rating at 40°C  1 A  Surge resistance  0.5 kV  Cable length  10 m  Cable characteristic  Standard  Bending radius, fixed cable installation  Sending radius, fixed cable installation  25 x 0.14 mm  Some challed diameter  8.5 mm  Cable diameter  Cable diameter  Cable dominal conductor cross section  O.14 mm²  Wire ends  Cut off bluntly  Degree of protection  IP67  Ambient temperature  Ambient temperature with flexible cable installation  5° C 70 °C  Ambient temperature with flexible cable installation  5° C 70 °C  Ambient temperature with flexible cable installation  5° C 70 °C	Electrical connection 1, cable outlet	Straight
Electrical connection 1, occupied pins/wires  Electrical connection 1, type of mounting  Electrical connection for input 1, connection pattern  O0995770  Control side  Electrical connection 2, function  Coble  Electrical connection 2, connection type  Cable  Electrical connection 2, connection type  Cable  Electrical connection 2, number of pins/wires  Electrical connection 2, occupied pins/wires  25  Electrical connection 2, occupied pins/wires  24  Occupierating voltage range  30 V  Eurrent rating at 40°C  I A  Surge resistance  0.5 kV  Cable length  10 m  Cable length  Cable characteristic  Standard  Sending radius, fixed cable installation  251 mm  Sending radius, flexible cable installation  2127.5 mm  Cable diameter  8.5 mm  Cable diameter  8.5 mm  Cable design  Onl4 mm²  Nominal conductor cross section  Onl4 mm²  Nominal conductor cross section  Pero  Ambient temperature  -30 °C 70 °C  Ambient temperature with flexible cable installation  -5 °C 70 °C  Ambient temperature with flexible cable installation  -5 °C 70 °C	Electrical connection 1, connection technology	M16x0.75
Electrical connection 1, type of mounting  Electrical connection for input 1, connection pattern  O0995770  Electrical connection 2, function  Control side  Electrical connection 2, connection type  Cable  Electrical connection 2, connection technology  Open end  Electrical connection 2, number of pins/wires  25  Electrical connection 2, occupied pins/wires  24  Occuprating voltage range  30 V  Eurrent rating at 40°C  1 A  Surge resistance  0.5 kV  Cable length  10 m  Cable length  Eable characteristic  Sending radius, fixed cable installation  Sending radius, flexible cable installation  25 mm  Cable diameter  Eable diameter  Eable design  Out off bluntly  Degree of protection  IP67  Ambient temperature  Ambient temperature with flexible cable installation  5° C 70° C  Ambient temperature with flexible cable installation  5° C 70° C	Electrical connection 1, number of pins/wires	24
Electrical connection for input 1, connection pattern  Control side  Electrical connection 2, function  Electrical connection 2, connection type  Electrical connection 2, connection technology  Open end  Electrical connection 2, number of pins/wires  Electrical connection 2, occupied pins/wires  24  DC operating voltage range  Surger resistance  O.5 kV  Eable length  10 m  Eable length  Eable characteristic  Standard  Bending radius, fixed cable installation  Some and a standard  Electrical connection 2, occupied pins/wires  Electrical connection 2, occupied pins/wires  Electrical connection 2, occupied pins/wires  24  DC operating voltage range  30 V  Electrical connection 2, occupied pins/wires  24  DC operating voltage range  30 V  Electrical connection 2, occupied pins/wires  24  DC operating voltage range  30 V  Electrical connection 2, occupied pins/wires  24  DC operating voltage range  30 V  Electrical connection 2, occupied pins/wires  24  DC operating voltage range  30 V  Electrical connection 2, occupied pins/wires  24  DC operating voltage range  30 V  Electrical connection 2, occupied pins/wires  24  DC operating voltage range  30 V  Electrical connection 2, occupied pins/wires  24  DC operating voltage range  30 V  Electrical connection 2, occupied pins/wires  25  Electrical connection 2, occupied pins/wires  24  DC operating voltage range  30 V  1 A  Some pins voltage range  25  Electrical connection 2, occupied pins/wires  26	Electrical connection 1, occupied pins/wires	24
Control side  Electrical connection 2, function  Electrical connection 2, connection type  Electrical connection 2, connection technology  Open end  Electrical connection 2, number of pins/wires  Electrical connection 2, occupied pins/wires  Electrical connection 2, occupied pins/wires  Electrical connection 2, occupied pins/wires  Coperating voltage range  30 V  Eurrent rating at 40°C  1 A  Surge resistance  0.5 kV  Eable length  10 m  Eable characteristic  Standard  Bending radius, fixed cable installation  251 mm  Bending radius, flexible cable installation  127.5 mm  Eable diameter  8.5 mm  Cable diameter  8.5 mm  Cable design  25 x 0.14 mm²  Nominal conductor cross section  0.14 mm²  Nominal conductor cross section  Ple7  Ambient temperature  40 °C 70 °C  Ambient temperature with flexible cable installation  5°C 70 °C	Electrical connection 1, type of mounting	Screw-type lock
Cable Electrical connection 2, connection type Cable Electrical connection 2, connection technology Open end Electrical connection 2, number of pins/wires Electrical connection 2, occupied pins/wires Cable	Electrical connection for input 1, connection pattern	00995770
Clectrical connection 2, connection technology Clectrical connection 2, number of pins/wires Clectrical connection 2, occupied pins/wires Clectrical connect	Electrical connection 2, function	Control side
Electrical connection 2, number of pins/wires  Electrical connection 2, occupied pins/wires  24  DC operating voltage range  30 V  Eurrent rating at 40°C  1 A  Surge resistance  0.5 kV  Eable length  10 m  Eable characteristic  Standard  Bending radius, fixed cable installation  Bending radius, flexible cable installation  25 mm  Eable diameter  38.5 mm  Eable design  25 x 0.14 mm²  Nominal conductor cross section  Wire ends  Cut off bluntly  Degree of protection  IP67  Ambient temperature  -30 °C 70 °C  Ambient temperature with flexible cable installation  -5 °C 70 °C	Electrical connection 2, connection type	Cable
Electrical connection 2, occupied pins/wires  24  25 Co operating voltage range  26 Current rating at 40°C  27 IA  28 Surge resistance  28 Suble length  29 Standard  29 Standard  29 Standard  29 Standard  20 Standard  20 Standard  20 Standard  20 Standard  21 Standard  21 Standard  22 Standard  23 Standard  25 Standard  26 Standard  27 Standard  27 Standard  28 Standard  29 Standard  20 Standard  21 Standard  22 Standard  23 Standard  24 Standard  25 Standard  26 Standard  27 Standard  28 Standard  29 Standard  20 Standard  20 Standard  20 Standard  20 Standard  20 Standard  20 Standard  21 Standard  22 Standard  23 Standard  24 Standard  25 Standard  26 Standard  27 Standard  27 Standard  28 Standard  29 Standard  20 Stand	Electrical connection 2, connection technology	Open end
DC operating voltage range  Current rating at 40°C  1 A  Surge resistance  0.5 kV  Cable length  10 m  Cable characteristic  Standard  Sending radius, fixed cable installation  Sending radius, flexible cable installation  25 mm  Cable diameter  8.5 mm  Cable design  25 x 0.14 mm²  Nominal conductor cross section  0.14 mm²  Wire ends  Cut off bluntly  Degree of protection  Ambient temperature  4.0 °C  Ambient temperature with flexible cable installation  50 °C 70 °C  Ambient temperature with flexible cable installation  50 °C 70 °C	Electrical connection 2, number of pins/wires	25
Current rating at 40°C  Surge resistance  0.5 kV  Cable length  10 m  Cable characteristic  Standard  Sending radius, fixed cable installation  Sending radius, flexible cable installation  Sending radius, flexible cable installation  127.5 mm  Cable diameter  8.5 mm  Cable design  25 x 0.14 mm²  Nominal conductor cross section  0.14 mm²  Nire ends  Cut off bluntly  Degree of protection  Ambient temperature  -30 °C 70 °C  Ambient temperature with flexible cable installation  -5 °C 70 °C	Electrical connection 2, occupied pins/wires	24
Surge resistance  0.5 kV  Cable length  10 m  Cable characteristic  Standard  Sending radius, fixed cable installation  Sending radius, flexible cable installation  251 mm  Cable diameter  8.5 mm  Cable design  25 x 0.14 mm²  Nominal conductor cross section  0.14 mm²  Wire ends  Cut off bluntly  Degree of protection  IP67  Ambient temperature  Ambient temperature with flexible cable installation  5.5 °C 70 °C  Ambient temperature with flexible cable installation  5.5 °C 70 °C	DC operating voltage range	30 V
Cable length Cable characteristic Standard Sending radius, fixed cable installation Sending radius, flexible cable installation Sending radius, flexible cable installation Stable diameter Standard Stan	Current rating at 40°C	1 A
Cable characteristic  Standard  Sending radius, fixed cable installation  Sending radius, flexible cable installation  Sending radius, flexible cable installation  Standard  St	Surge resistance	0.5 kV
Bending radius, fixed cable installation  351 mm  3ending radius, flexible cable installation  7127.5 mm  Eable diameter  8.5 mm  Cable design  25 x 0.14 mm²  Nominal conductor cross section  7127.5 mm  8.5 mm  Cable design  Cut off bluntly  Degree of protection  Phof  Ambient temperature  30 °C 70 °C  Ambient temperature with flexible cable installation  75 °C 70 °C	Cable length	10 m
Bending radius, flexible cable installation  7127.5 mm  Cable diameter  8.5 mm  Cable design  25 x 0.14 mm²  Nominal conductor cross section  0.14 mm²  Cut off bluntly  Degree of protection  IP67  Ambient temperature  -30 °C 70 °C  Ambient temperature with flexible cable installation  7127.5 mm  8.5 mm  Cable design  25 x 0.14 mm²  Cut off bluntly  1P67  -30 °C 70 °C  -30 °C 70 °C	Cable characteristic	Standard
Cable diameter  8.5 mm  Cable design  25 x 0.14 mm²  Nominal conductor cross section  0.14 mm²  Cut off bluntly  Degree of protection  IP67  Ambient temperature  -30 °C 70 °C  Ambient temperature with flexible cable installation  -5 °C 70 °C	Bending radius, fixed cable installation	>51 mm
Cable design  25 x 0.14 mm <sup>2</sup> Nominal conductor cross section  0.14 mm <sup>2</sup> Wire ends  Cut off bluntly  Degree of protection  IP67  Ambient temperature  -30 °C 70 °C  Ambient temperature with flexible cable installation  -5 °C 70 °C	Bending radius, flexible cable installation	>127.5 mm
Nominal conductor cross section  O.14 mm²  Cut off bluntly  Degree of protection  IP67  Ambient temperature  -30 °C 70 °C  Ambient temperature with flexible cable installation  -5 °C 70 °C	Cable diameter	8.5 mm
Wire ends Cut off bluntly Degree of protection IP67 Ambient temperature -30 °C 70 °C Ambient temperature with flexible cable installation -5 °C 70 °C	Cable design	25 x 0.14 mm <sup>2</sup>
Degree of protection IP67 Ambient temperature -30 °C 70 °C Ambient temperature with flexible cable installation -5 °C 70 °C	Nominal conductor cross section	0.14 mm <sup>2</sup>
Ambient temperature -30 °C 70 °C  Ambient temperature with flexible cable installation -5 °C 70 °C	Wire ends	Cut off bluntly
Ambient temperature with flexible cable installation -5 °C 70 °C	Degree of protection	IP67
<u>'</u>	Ambient temperature	-30 ℃ 70 ℃
CE marking (see declaration of conformity)  As per EU RoHS directive	Ambient temperature with flexible cable installation	-5 °C 70 °C
	CE marking (see declaration of conformity)	As per EU RoHS directive

Feature	Value
Note on materials	RoHS-compliant
Contamination level	1
Material of cable sheath	PVC
Color cable sheath	Gray
Housing material	PA
Material of screw-type lock	Brass, nickel-plated
Material of pin contacts	Brass, gold-plated
Insulating sheath material	PVC