## Connecting cable NEBV-C-S7WA44HS-K-2.5-N-LE36-S10 Part number: 577376

**FESTO** 



General operating condition

| Based on standard Cable designation Without inscription label holder Frequency of connection Frequency of connection Frequency of connection Frequency of connection 1, function Flield device side Electrical connection 1, function Flield device side Electrical connection 1, design Angular Electrical connection 1, consection type Flectrical connection 1, colle outlet Angled Electrical connection 1, connection system Flectrical connection 1, connection system Flectrical connection 1, unmber of connections/cores Flectrical connection 1, unmber of connections/cores Flectrical connection 1, type of mounting Says and the seal of  | Feature  | Value                            |
|--|--|----------------------------------|
| Frequency of connection  Product weight  So 0 g  Electrical connection 1, function  Electrical connection 1, function  Electrical connection 1, connection type  Socket  Electrical connection 1, connection type  Socket  Electrical connection 1, connection type  Electrical connection 1, connector system  Sub-D  Electrical connection 1, unmber of connections/cores  44  Electrical connection 1, unmber of connections/cores  Electrical connection 1, type of mounting  2x screw 4-40 UNC  With seal  Electrical connection 1, connection pattern  Oop95646  Electrical connection 2, function  Controller side  Electrical connection 2, connection type  Electrical connection 2, connection type  Electrical connection 2, connection type  Electrical connection 2, connector system  Open end  Electrical connection 2, connection sype  Cable  Electrical connection 2, connection sype  Cable electrical connection 2, connections/cores  36  Operational voltage range DC  OV 30 V  Current rating at 40° C  0.86 A  Protective conductor connection  Not available  Cable length  Cable length  2.5 m  Cable length  Cable my Standard  Bending radius, fixed cable  Bending radius, fixed cable  Bending radius, moving cable  2.115 mm  Cable diameter  Cable diameter  Cable diameter  Cable diameter tolerance  36 x 0.25 mm²  Nominal cross section conductor  Degree of protection  Ple65  Ple76  Ple96  Note on degree of protection  In assembled state  Ambient temperature  4.5° C 60° C  | Based on standard                                    | DIN 47100                        |
| Product weight 500 g Electrical connection 1, function Field device side Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, connector system Electrical connection 1, connector system Electrical connection 1, number of connections/cores Electrical connection 1, type of mounting Electrical connection 1, connection pattern Electrical connection 1, connection pattern Electrical connection 2, connection type Electrical connection 2, connector system Open end Electrical connection 2, connector system Open end Electrical connection 2, number of connections/cores 36 Operational voltage range DC Ov 30 V  Current rating at 40° C Open and Analysis of Connection Not available Cable length 2.5 m Cable characteristic Electrical connection Another work of the standard Electrical connection Electrical connection Another work of the standard Electrical connection Electrical connection Open end Electrical connection Open end Electrical connection 2, onnector system Open end Electrical connection 2, onnection 3, onnector system Open end Electrical connection 2, onnection 3, onnection 3    | Cable designation                                    | Without inscription label holder |
| Electrical connection 1, function  Electrical connection 1, design  Electrical connection 1, connection type  Electrical connection 1, connector system  Electrical connection 1, cable outlet  Electrical connection 1, tumber of connections/cores  Electrical connection 1, unumber of connections/cores  Electrical connection 1, used connections/cores  Electrical connection 1, type of mounting  Electrical connection 1, type of mounting  Electrical connection 1, connection pattern  Ooy995646  Electrical connection 2, connection type  Electrical connection 2, connector type  Electrical connection 2, connector system  Open end  Electrical connection 2, number of connections/cores  36  Operational voltage range DC  Ov 30 V  Current rating at 40° C  Os.86 A  Protective conductor connection  Cable length  2.5 m  Cable characteristic  Standard  Bending radius, fixed cable  8-39 mm  Bending radius, fixed cable  8-89 mm  Cable diameter  Cable diameter  Cable diameter  Cable diameter  Cable diameter tolerance  4 0.2 mm  Cable diameter tolerance  Cable diameter tolerance  36 x 0.25 mm²  Nominal cross section conductor  Oz5 mm²  Degree of protection  Not on degree of protection  In assembled state  Special characteristics  Easy to clean  Ambient temperature  Field device side  Sub-D      | Frequency of connection                              | 50                               |
| Electrical connection 1, design Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, connection system Electrical connection 1, number of connections/cores  44 Electrical connection 1, unwher of connections/cores  36 Electrical connection 1, type of mounting 2x screw 4-40 UNC With seal Electrical connection 1, connection pattern 00995646 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 36 Operational voltage range DC 0V 30 V Current rating at 40° C Protective conductor connection Not available Cable length 2.5 m Cable characteristic Standard Bending radius, fixed cable Bending radius, moving cable 115 mm Cable diameter 9.6 mm Cable diameter 4 0.2 mm Cable diameter Say one Cable diameter tolerance 2a) Electrical connection Poergee of protection Unional cross section conductor Degree of protection Unional cross section conductor In assembled state Special characteristics Easy to clean Ambient temperature  4 50 C 60 °C   | Product weight                                       | 500 g                            |
| Electrical connection 1, connection type  Electrical connection 1, cable outlet  Electrical connection 1, connector system  Electrical connection 1, unumber of connections/cores  Electrical connection 1, used connections/cores  Electrical connection 1, type of mounting  Electrical connection 1, connector pattern  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, number of connections/cores  36  Operational voltage range DC  OV 30 V  Current rating at 40° C  Outle conductor connection  Not available  Cable length  Cable elargth  2.5 m  Cable characteristic  Standard  Bending radius, fixed cable  Bending radius, fixed cable  Bending radius, moving cable  Cable diameter  Cable diameter  Cable diameter  Cable diameter tolerance  Eable structure  36 x 0.25 mm²  Nominal cross section conductor  Degree of protection  Ple65  Ple67  Ple69K  Note on degree of protection  In assembled state  Special characteristics  Easy to clean  Ambient temperature  5 5 °C 60 °C  | Electrical connection 1, function                    | Field device side                |
| Electrical connection 1, cable outlet Electrical connection 1, connector system Electrical connection 1, number of connections/cores 44 Electrical connection 1, used connections/cores Electrical connection 1, type of mounting 2x screw 4-40 UNC With seal Electrical connection 1, type of mounting Electrical connection 1, type of mounting Electrical connection 1, connection pattern 00995646 Electrical connection 2, function Electrical connection 2, function Electrical connection 2, connector system Open end Electrical connection 2, connector system Open end Electrical connection 2, number of connections/cores 36 Operational voltage range DC OV 30 V Current rating at 40° C Protective conductor connection Not available Cable length 2.5 m Cable elaracteristic Standard Bending radius, fixed cable Bending radius, fixed cable Bending radius, moving cable 2115 mm Cable diameter Cable diameter tolerance 40.2 mm Cable diameter tolerance 20.2 mm Cable structure Nominal cross section conductor Pegree of protection Pegree of protection In assembled state Special characteristics Easy to clean Ambient temperature 5° c° 60° C  | 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  Electrical connection 1, type of mounting  Electrical connection 1, type of mounting  Electrical connection 1, connection pattern  Electrical connection 2, function  Electrical connection 2, connection type  Electrical connection 2, connector system  Open end  Electrical connection 2, number of connections/cores  36  Operational voltage range DC  Ov 30 V  Current rating at 40° C  Foretictive conductor connection  Not available  Cable length  2.5 m  Cable characteristic  Standard  Bending radius, fixed cable  Bending radius, moving cable  all 15 mm  Cable diameter  4.0.2 mm  Cable diameter  4.0.2 mm  Cable diameter tolerance  4.0.2 mm  Cable diameter of protection  Degree of protection  In assembled state  Special characteristics  Easy to clean  Ambient temperature  5. °C 60 °C   | 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  2x screw 4-40 UNC With seal  Electrical connection 1, connection pattern  00995646  Electrical connection 2, function  Controller side  Electrical connection 2, connection type  Cable  Electrical connection 2, connection type  Electrical connection 2, number of connections/cores  36  Operational voltage range DC  Ov30 V  Current rating at 40° C  Protective conductor connection  Cable length  Cable characteristic  Standard  Bending radius, fixed cable  Bending radius, moving cable  2albe diameter  Able diameter  40.2 mm  Cable diameter  Cable diameter  36 x 0.25 mm²  Degree of protection  Degree of protection  Note on degree of protection  In assembled state  Easy to clean  Ambient temperature  4.5 °C 60 °C  Ambient temperature   | Electrical connection 1, cable outlet                | Angled                           |
| Electrical connection 1, used connections/cores  Electrical connection 1, type of mounting  2x screw 4-40 UNC With seal  Electrical connection 1, connection pattern  00995646  Electrical connection 2, function  Electrical connection 2, connection type  Cable  Electrical connection 2, connector type  Electrical connection 2, connector system  Open end  Electrical connection 2, number of connections/cores  36  Operational voltage range DC  Ov 30 V  Current rating at 40° C  Protective conductor connection  Not available  Cable length  2.5 m  Cable characteristic  Bending radius, fixed cable  Bending radius, moving cable  2115 mm  Cable diameter  Cable diameter  Cable diameter tolerance  4.0.2 mm  Cable structure  36 x 0.25 mm²  Nominal cross section conductor  Oz5 mm²  Nominal cross section conductor  Degree of protection  IP65 IP69K  Note on degree of protection  In assembled state  Special characteristics  Easy to clean  Ambient temperature  -5 °C 60 °C   | Electrical connection 1, connector system            | Sub-D                            |
| Electrical connection 1, type of mounting  2x screw 4-40 UNC With seal  Electrical connection 1, connection pattern  00995646  Electrical connection 2, function  Cable  Electrical connection 2, connector type  Electrical connection 2, connector system  Open end  Electrical connection 2, number of connections/cores  36  Operational voltage range DC  Ov 30 V  Current rating at 40° C  Protective conductor connection  Not available  Cable length  2.5 m  Cable characteristic  Standard  Bending radius, fixed cable  Bending radius, moving cable  2115 mm  Cable diameter  Cable diameter  Cable diameter tolerance  4.0.2 mm  Cable structure  36 x 0.25 mm²  Nominal cross section conductor  Degree of protection  IP65 IP66K  Not on degree of protection  In assembled state  Essy to clean  Ambient temperature  7.5 °C 60 °C   | Electrical connection 1, number of connections/cores | 44                               |
| Electrical connection 1, connection pattern 00995646 Electrical connection 2, function Cable Electrical connection 2, connection type Cable Electrical connection 2, connection system Open end Electrical connection 2, number of connections/cores 36 Operational voltage range DC 0V 30 V Current rating at 40° C Current rating at 40° C Protective conductor connection Cable length 2,5 m Cable characteristic Standard Bending radius, fixed cable 39 mm Bending radius, moving cable 1115 mm Cable diameter Cable diameter tolerance 4.0.2 mm Cable diameter tolerance 4.0.2 mm Cable structure 36 x 0.25 mm² Nominal cross section conductor  0.25 mm² Degree of protection   IP65   IP67   IP69K   Note on degree of protection   In assembled state  Electrical connection 2, connection 20095646 Electrical connection 2, conn     | Electrical connection 1, used connections/cores      | 36                               |
| 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  36  Operational voltage range DC  Ov 30 V  Current rating at 40° C  Protective conductor connection  Not available  Cable length  2.5 m  Cable characteristic  Standard  Bending radius, fixed cable  Bending radius, moving cable  Cable diameter  Cable diameter tolerance  20.2 mm  Cable diameter tolerance  Cable structure  Nominal cross section conductor  Degree of protection  Protective of protection  Not available  1P65 1P67 1P69K  Note on degree of protection  In assembled state  Easy to clean  Ambient temperature  Cable  Cable  Cable  Cable  Cable  Controller side  Cable  Cable  Cable  Open end  Ope    | Electrical connection 1, type of mounting            |                                  |
| Electrical connection 2, connection type  Electrical connection 2, connector system  Open end  Electrical connection 2, number of connections/cores  36  Operational voltage range DC  Ov30 V  Current rating at 40° C  Protective conductor connection  Anti-active conductor connection  Cable length  Cable characteristic  Bending radius, fixed cable  Bending radius, moving cable  2.15 mm  Sandard  Bending radius, moving cable  2.115 mm  Cable diameter  Cable diameter  Cable diameter tolerance  2.0.2 mm  Cable diameter tolerance  2.5 mm  Open end  Cable diameter tolerance  2.5 m  Protective conductor  Degree of protection  IP65 IP67 IP69K  Note on degree of protection  In assembled state  Special characteristics  Easy to clean  Ambient temperature  | Electrical connection 1, connection pattern          | 00995646                         |
| Electrical connection 2, connector system  Depen end  Electrical connection 2, number of connections/cores  36  Operational voltage range DC  Ov 30 V  Current rating at 40° C  Protective conductor connection  Not available  Cable length  Cable characteristic  Standard  Bending radius, fixed cable  Bending radius, moving cable  2115 mm  Cable diameter  Cable diameter tolerance  40.2 mm  Cable diameter tolerance  236 x 0.25 mm²  Nominal cross section conductor  Degree of protection  Protective conductor  In assembled state  Electrical connection 2, onnection 36  Be A  Protective conductor 36  Protection 36  Protective conductor 36  Prot     | Electrical connection 2, function                    | Controller side                  |
| Electrical connection 2, number of connections/cores  36  Operational voltage range DC  Current rating at 40° C  Protective conductor connection  Not available  Cable length  2.5 m  Cable characteristic  Standard  Bending radius, fixed cable  Bending radius, moving cable  Cable diameter  Cable diameter  Cable diameter tolerance  40.2 mm  Cable structure  36 x 0.25 mm²  Nominal cross section conductor  Degree of protection  Perfection  Perfection  Perfection  IP65  IP67  IP69K  Note on degree of protection  Easy to clean  Ambient temperature  36 ° C 60 ° C  | Electrical connection 2, connection type             | Cable                            |
| Operational voltage range DC  Current rating at 40° C  Protective conductor connection  Not available  2.5 m  Cable length  2.5 m  Cable characteristic  Standard  Bending radius, fixed cable  Bending radius, moving cable  239 mm  Bending radius, moving cable  2115 mm  Cable diameter  Cable diameter tolerance  40.2 mm  Cable structure  36 x 0.25 mm²  Nominal cross section conductor  Degree of protection  Pef65 Pef7 Pe69K  Note on degree of protection  In assembled state  Special characteristics  Easy to clean  Ambient temperature  0.86 A  Not available  2.5 m  2.5 m  2.6 m  1.7 m  1.8 m  2.7 m  2.8 m  2.9 m  3.8 x 0.25 mm²  1.8 m  3.8 x 0.25 mm²  2.9 m  3.8 x 0.25 mm²  3.9 x 0.25 mm²  4.9 x 0.25 mm²  4.0 x 0.2 | Electrical connection 2, connector system            | Open end                         |
| Current rating at 40° C  Protective conductor connection  Not available  Cable length  Cable characteristic  Standard  Bending radius, fixed cable  Bending radius, moving cable  Cable diameter  Cable diameter  Cable diameter tolerance  Cable structure  Nominal cross section conductor  Degree of protection  Note on degree of protection  Ambient temperature  0.86 A  .81 A  .82 A  .83 M  .84 A  .85 M  .85 M  .86 A  .86 A  .86 A  .86 A  .86 A  .87 M  .86 A  .86 A  .86 A  .87 M  .88 A  .88 A  .89 M  .89 M  .89 M  .89 M  .89 M  .89 M  .80 M  .80 M  .80 M  .80 M  .80 M  .80 A  .80 M  | Electrical connection 2, number of connections/cores | 36                               |
| Protective conductor connection  Cable length  Cable length  Cable characteristic  Bending radius, fixed cable  Bending radius, moving cable  Ending radius, moving cable  Cable diameter  Cable diameter  Cable diameter tolerance  40.2 mm  Cable structure  Nominal cross section conductor  Degree of protection  Pefor IP69K  Note on degree of protection  In assembled state  Easy to clean  Ambient temperature  Not available  2.5 m  Author available  2.5 m  2.5 m  10 and available  2.5 m  2.5 m  2.5 m  2.6 m  10 and available  2.5 m   | Operational voltage range DC                         | 0 V 30 V                         |
| Cable length Cable characteristic Standard Bending radius, fixed cable Bending radius, moving cable Eable diameter Cable diameter Cable diameter tolerance Cable structure Some Nominal cross section conductor Degree of protection Note on degree of protection  Note on degree of protection  Ambient temperature  2.5 m Standard S  | Current rating at 40° C                              | 0.86 A                           |
| Cable characteristic  Bending radius, fixed cable  Bending radius, moving cable  Bending radius, moving cable  ≥115 mm  Cable diameter  Cable diameter tolerance  ± 0.2 mm  Cable structure  36 x 0.25 mm²  Nominal cross section conductor  Degree of protection  IP65 IP67 IP69K  Note on degree of protection  In assembled state  Special characteristics  Easy to clean  Ambient temperature  Standard  Standard  Standard  Standard  19 mm  Standard  10 mm  Standard  Standard  In assembled state  Easy to clean  Ambient temperature  | Protective conductor connection                      | Not available                    |
| Bending radius, fixed cable  Bending radius, moving cable  ≥115 mm  Cable diameter  9.6 mm  Cable diameter tolerance  ± 0.2 mm  Cable structure  36 x 0.25 mm²  Nominal cross section conductor  Degree of protection  IP65 IP67 IP69K  Note on degree of protection  In assembled state  Special characteristics  Easy to clean  Ambient temperature  ≥39 mm  ≥39 mm  ≥39 mm  ≥30 mm  115 mm  10 mm  20   | Cable length   | 2.5 m                            |
| Bending radius, moving cable  Cable diameter  Cable diameter tolerance  ± 0.2 mm  Cable structure  36 x 0.25 mm²  Nominal cross section conductor  Degree of protection  IP65 IP67 IP69K  Note on degree of protection  In assembled state  Special characteristics  Easy to clean  Ambient temperature  ≥115 mm  ≥115 mm  1815  196 mm  20.2 mm  196 massembled  Easy to clean  5° C 60 °C  | Cable characteristic                                 | Standard                         |
| Cable diameter Cable diameter tolerance ± 0.2 mm  Cable structure 36 x 0.25 mm²  Nominal cross section conductor 0.25 mm²  Degree of protection Pegree of protection In assembled state  Special characteristics Easy to clean  Ambient temperature  9.6 mm  10.2 mm  10.25 mm²  10 | Bending radius, fixed cable                          | ≥39 mm                           |
| Cable diameter tolerance ± 0.2 mm  Cable structure 36 x 0.25 mm²  Nominal cross section conductor 0.25 mm²  Degree of protection lP65 lP67 lP69K  Note on degree of protection In assembled state  Special characteristics Easy to clean  Ambient temperature 5° C 60 °C   | Bending radius, moving cable                         | ≥115 mm                          |
| Cable structure 36 x 0.25 mm²  Nominal cross section conductor 0.25 mm²  Degree of protection IP65 IP67 IP69K  Note on degree of protection In assembled state  Special characteristics Easy to clean  Ambient temperature 5° C 60 °C  | Cable diameter                                       | 9.6 mm                           |
| Nominal cross section conductor  Degree of protection  IP65 IP67 IP69K  Note on degree of protection  In assembled state  Special characteristics  Easy to clean  Ambient temperature  0.25 mm² IP65 IP67 IP69K  Some of protection  In assembled state  Easy to clean  -5 °C 60 °C  | Cable diameter tolerance                             | ± 0.2 mm                         |
| Degree of protection IP65 IP67 IP69K  Note on degree of protection In assembled state  Special characteristics Easy to clean  Ambient temperature -5 °C 60 °C  | Cable structure                                      | 36 x 0.25 mm <sup>2</sup>        |
| IP67   IP69K   Note on degree of protection   In assembled state   Special characteristics   Easy to clean   Ambient temperature   -5 °C 60 °C   | Nominal cross section conductor                      | 0.25 mm <sup>2</sup>             |
| Special characteristics Easy to clean  Ambient temperature -5 °C 60 °C   | Degree of protection                                 | IP67                             |
| Ambient temperature 5 °C 60 °C   | Note on degree of protection                         | In assembled state               |
| 1  | Special characteristics                              | Easy to clean                    |
| Ambient temperature with moving cable -5 °C 60 °C  | Ambient temperature                                  | -5 °C 60 °C                      |
|  | Ambient temperature with moving cable                | -5 °C 60 °C                      |

| Feature                                      | Value                                |  |
|--|--------------------------------------|--|
| Storage temperature                          | -20 °C 40 °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                                    |  |
| Note on the contamination level              | In mounted state                     |  |
| Corrosion resistance class CRC               | 3 - high corrosion stress            |  |
| Material cable sheath                        | PVC                                  |  |
| Cable sheath colour                          | Grey                                 |  |
| Material housing                             | PA-reinforced                        |  |
| Housing colour                               | grey                                 |  |
| Material screws                              | Stainless steel                      |  |
| Material seals                               | EPDM                                 |  |
| Material electrical contact                  | Gold-plated bronze                   |  |
| Material insulating sheath                   | PVC                                  |  |