



**product description:**

halogen-free flexible double-coated pipe designed for mechanical protection of all kinds of power and data wiring, installed under the ground

each coil is equipped with a pull-through string that ensures easy cable insertion and a coupling on one end

the protection class is IP 67 while using a sealing ring

in case of mechanical compaction of layers above the protector, take care not to exceed the value of the load capacity of the protector - see catalogue PIPE PROTECTORS

the product may be subject to ordinary surface mechanical damage (marks, dents, scratches and rib deformation) of the outer wall of the pipe due to manufacturing technology or transport, which do not affect the functionality of the product

the products with \_BA are listed in the database for building products that can be used in Nordic Swan Ecolabelled buildings

material: **HDPE**

halogen-free: **yes**

self-snuffing: **no**

installation temperature: **-25 - +90 °C**

operating temperature: **-55 - +90 °C**

fire class for underlying material: **A1**

UV stable: **no**

mechanical resistance: **450 N / 20 cm**

protection types: **IP 40 (IP 67)**

meets the requirements: **EN 61386-24:11, EN 61386-1 ed.2:09**

storage: **ČSN 64 0090**

length tolerance: **± 0,5 m**

**recycling codes:**



pipe



foil



binding tape, string

accessories: **couplings, sealing rings, closing plugs, distance spacers**

**chemical resistance:**

**YES:** aceton, amoniak 25%, distilled water, ethanol 50%, sodium hydroxide 60%, hydrofluoric acid 40%, acetic acid 5%, sulfuric acid 96%, medicinal oil, methanol, olive oil, petroleum, hydrogen peroxide 20%, transformer oil, sodium carbonate

**NO:** anilin, chlorinated hydrocarbons, tetrachlorocarbon

| item number        | dn<br>outer Ø<br>(mm) | di<br>min. inner Ø<br>(mm) | min.<br>bending<br>radius<br>(mm) | length<br>=<br>package<br>(m) | package<br>dimension<br>(cm) | weight<br>(kg/package) | pallet<br>package<br>(m) | color  | comment  |
|--------------------|-----------------------|----------------------------|-----------------------------------|-------------------------------|------------------------------|------------------------|--------------------------|--------|----------|
| <b>KF 09040_AA</b> | 40                    | 30                         | 230                               | 50                            | 64x31                        | 5,5                    | 3000                     | orange | to order |
| <b>KF 09040_BA</b> | 40                    | 30                         | 230                               | 50                            | 64x31                        | 5,5                    | 3000                     | red    |          |
| <b>KF 09040_BB</b> | 40                    | 30                         | 230                               | 25                            | 50x27                        | 2,8                    | 3000                     | red    |          |
| <b>KF 09040_CA</b> | 40                    | 30                         | 230                               | 50                            | 64x31                        | 5,5                    | 3000                     | blue   |          |
| <b>KF 09040_CB</b> | 40                    | 30                         | 230                               | 25                            | 50x27                        | 2,8                    | 3000                     | blue   |          |
| <b>KF 09040_DA</b> | 40                    | 30                         | 230                               | 50                            | 64x31                        | 5,5                    | 3000                     | green  | to order |
| <b>KF 09040_EA</b> | 40                    | 30                         | 230                               | 50                            | 64x31                        | 5,5                    | 3000                     | yellow | to order |
| <b>KF 09040_FA</b> | 40                    | 30                         | 230                               | 50                            | 64x31                        | 5,5                    | 3000                     | black  |          |
| <b>KF 09050_BA</b> | 50                    | 37                         | 350                               | 50                            | 77x33                        | 8,0                    | 1800                     | red    |          |
| <b>KF 09050_BB</b> | 50                    | 37                         | 350                               | 50                            | 60x33                        | 4,0                    | 1500                     | red    |          |
| <b>KF 09050_CA</b> | 50                    | 37                         | 350                               | 50                            | 77x33                        | 8,0                    | 1800                     | blue   |          |
| <b>KF 09050_CB</b> | 50                    | 37                         | 350                               | 25                            | 60x33                        | 4,0                    | 1500                     | blue   |          |
| <b>KF 09050_EA</b> | 50                    | 37                         | 350                               | 50                            | 77x33                        | 8,0                    | 1800                     | yellow | to order |
| <b>KF 09050_FA</b> | 50                    | 37                         | 350                               | 50                            | 77x33                        | 8,0                    | 1800                     | black  |          |
| <b>KF 09063_BA</b> | 63                    | 47                         | 350                               | 50                            | 80x46                        | 11,0                   | 1500                     | red    |          |
| <b>KF 09063_BB</b> | 63                    | 47                         | 350                               | 25                            | 70x35                        | 5,5                    | 1050                     | red    |          |
| <b>KF 09063_CA</b> | 63                    | 47                         | 350                               | 50                            | 80x46                        | 11,0                   | 1500                     | blue   |          |
| <b>KF 09063_FA</b> | 63                    | 47                         | 350                               | 50                            | 80x46                        | 11,0                   | 1500                     | black  |          |
| <b>KF 09075_BA</b> | 75                    | 56                         | 350                               | 50                            | 94x50                        | 15,5                   |                          | red    |          |
| <b>KF 09075_BB</b> | 75                    | 56                         | 350                               | 25                            | 81x38                        | 7,8                    | 900                      | red    |          |
| <b>KF 09075_CA</b> | 75                    | 56                         | 350                               | 50                            | 94x50                        | 15,5                   |                          | blue   |          |
| <b>KF 09075_CB</b> | 75                    | 56                         | 350                               | 25                            | 81x38                        | 7,8                    | 900                      | blue   |          |
| <b>KF 09075_FA</b> | 75                    | 56                         | 350                               | 50                            | 94x50                        | 15,5                   |                          | black  |          |
| <b>KF 09090_AA</b> | 90                    | 67                         | 400                               | 50                            | 113x50                       | 20,0                   |                          | orange | to order |
| <b>KF 09090_BA</b> | 90                    | 67                         | 400                               | 50                            | 113x50                       | 20,0                   |                          | red    |          |
| <b>KF 09090_BB</b> | 90                    | 67                         | 400                               | 25                            | 100x40                       | 9,5                    |                          | red    |          |
| <b>KF 09090_CA</b> | 90                    | 67                         | 400                               | 50                            | 113x50                       | 20,0                   |                          | blue   |          |
| <b>KF 09090_FA</b> | 90                    | 67                         | 400                               | 50                            | 113x50                       | 20,0                   |                          | black  |          |
| <b>KF 09110_BA</b> | 110                   | 82                         | 400                               | 50                            | 124x60                       | 26,0                   |                          | red    |          |
| <b>KF 09110_BB</b> | 110                   | 82                         | 400                               | 25                            | 100x46                       | 13,0                   |                          | red    |          |
| <b>KF 09110_CA</b> | 110                   | 82                         | 400                               | 50                            | 124x60                       | 26,0                   |                          | blue   |          |
| <b>KF 09110_CB</b> | 110                   | 82                         | 400                               | 25                            | 100x46                       | 13,0                   |                          | blue   |          |
| <b>KF 09110_FA</b> | 110                   | 82                         | 400                               | 50                            | 124x60                       | 26,0                   |                          | black  |          |
| <b>KF 09125_BA</b> | 125                   | 94                         | 500                               | 50                            | 135x62                       | 30,0                   |                          | red    |          |
| <b>KF 09125_BB</b> | 125                   | 94                         | 500                               | 25                            | 109x50                       | 15,0                   |                          | red    |          |
| <b>KF 09125_CA</b> | 125                   | 94                         | 500                               | 50                            | 135x62                       | 30,0                   |                          | blue   |          |
| <b>KF 09125_CB</b> | 125                   | 94                         | 500                               | 25                            | 109x50                       | 15,0                   |                          | blue   |          |
| <b>KF 09125_FA</b> | 125                   | 94                         | 500                               | 50                            | 135x62                       | 30,0                   |                          | black  |          |
| <b>KF 09160_BA</b> | 160                   | 120                        | 650                               | 50                            | 194x58                       | 45,0                   |                          | red    |          |
| <b>KF 09160_BB</b> | 160                   | 120                        | 650                               | 25                            | 145x50                       | 23,0                   |                          | red    |          |
| <b>KF 09160_CB</b> | 160                   | 120                        | 650                               | 25                            | 145x50                       | 23,0                   |                          | blue   |          |
| <b>KF 09160_FA</b> | 160                   | 120                        | 650                               | 50                            | 194x58                       | 45,0                   |                          | black  |          |
| <b>KF 09200_BB</b> | 200                   | 150                        | 850                               | 25                            | 160x60                       | 30,5                   |                          | red    |          |
| <b>KF 09200_FB</b> | 200                   | 150                        | 850                               | 25                            | 160x60                       | 30,5                   |                          | black  |          |

 **WARNING**

risks associated with product use: during installation, use appropriate protective work equipment and follow safety guidelines  
use the product only for the purposes intended by the manufacturer  
use the product in an environment that complies with the manufacturer's instructions  
do not use the product if it is damaged  
follow the manufacturer's recommendations and do not exceed the number of inserted cables