

HDPE corrugated pipe / UV-stable / 450 N smooth inside, with sleeve and pull-in aid

This special HDPE corrugated pipe is halogen-free, UV-stable and flexible, and serves as a cable protection conduit for the mechanical protection of all types of power and telecommunication cables. It features a sleeve fitted on one side and a pull-in aid. Special chemical additives give it excellent UV stability. It is ideally suited for all outdoor applications, for example in solar installations. It is also suitable for underground use and, with a suitable sealing ring, achieves protection class IP 67 (when the layers above the cable protection conduit are mechanically compacted, please observe the permissible load capacity of 450 N). As it can be used both above and below ground, this HDPE UV corrugated pipe is ideal for use in solar parks. The smooth, profile-free inner wall makes pulling in the cable considerably easier, saving time and costs during installation. Thanks to the low friction, several cables can be pulled in without tedious jamming.



Technical data:

Material:	HDPE, halogen-free, double-coated
Color:	black
Design:	unslotted / corrugated outside, smooth inside / with sleeve fitted on one side and pull-in aid
Application temperature:	-5 °C to +90 °C (installation temperature: -25 °C to +90 °C / however, installation at an ambient temperature above 0 °C is recommended)
Fire class:	A1 (not self-extinguishing)
Compressive strength:	450 N / 20 cm
Chemical resistance:	acetone, ammonia, ethanol, sodium hydroxide, hydrofluoric acid, acetic acid, sulfuric acid, oils, kerosene, hydrogen peroxide, sodium carbonate (*depending on the concentration of the medium)
UV resistance:	yes / UV weather-resistant
Protection class:	IP40 (IP67 with matching profile sealing ring up to 110 mm Ø and for 160 mm Ø)
Length tolerance:	approx. ± 0.5 m
Standards:	REACH, RoHS (also available on request with CE and VDE certificate, as well as with antistatic properties and protection against rodent bites). Please contact us – we will be happy to advise you!

[Size table on page 2](#)



More information at: <https://www.emc-direct.de> / info@emc-direct.de / Phone: +49 (0)2369 – 98469 -15

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Size table:

Item no.	Nominal diameter	Ø inside [mm]	Ø outside [mm]	Bending radius [mm]	Content [m]
36401	32	24.8	32	230	50
36402	40	32	40	230	50
36403	50	41	50	350	50
36404	63	50.5	63	350	50
36405	75	61	75	350	50
36406	90	76	90	400	50
36407	110	92.7	110	400	50
36408	125	106	125	410	50
36409	160	136	160	650	50
36410	200	171.1	200	680	25