



GrainDuct cable protection pipe is produced from PE in diameters Ø 40mm, 50mm, 63mm, 75mm, 90mm, 110mm, 125mm, 160mm and 200mm, on flexible coils of 25 meters or 50 meters and on rigid 6 meter lengths, all fitted with click-sockets.

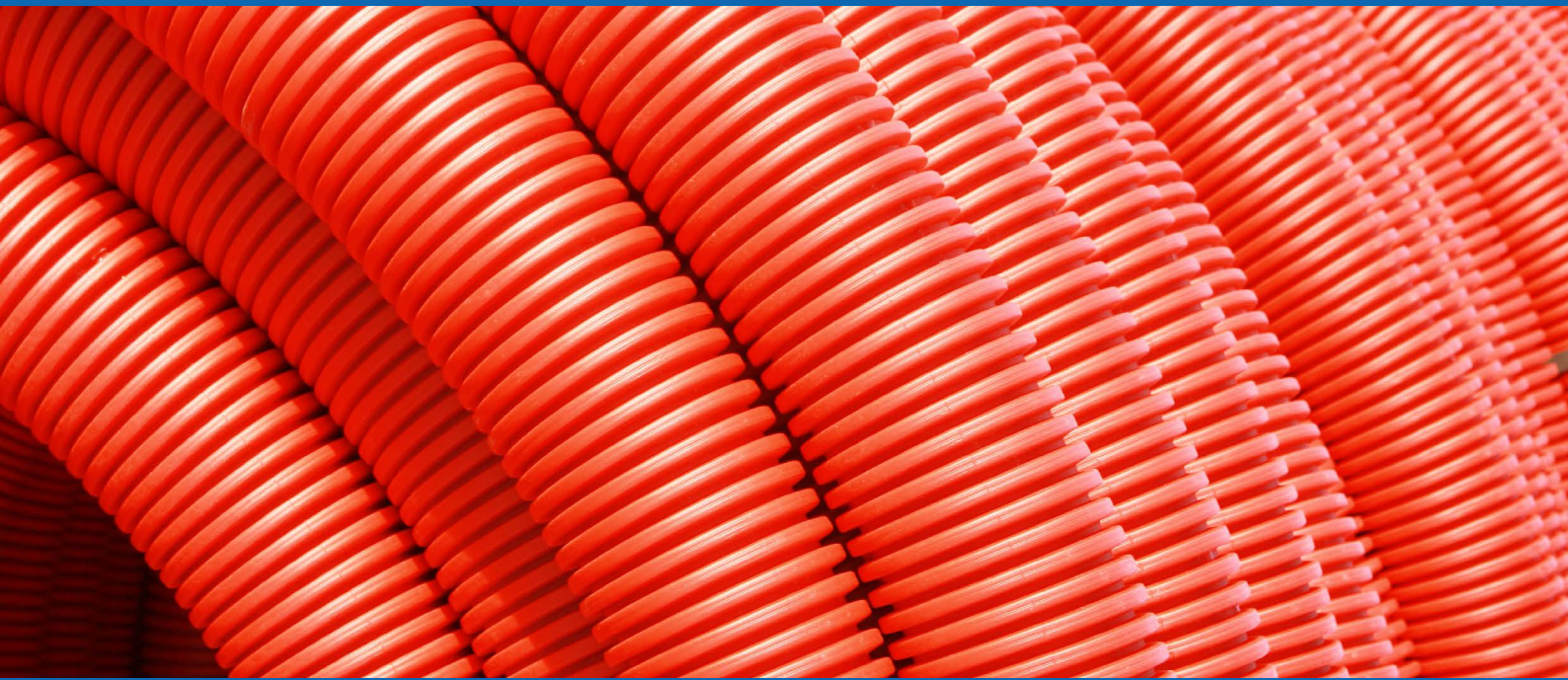
The HDPE outerwall is red and the LDPE innerwall is black*. On request GrainDuct cable protection pipe can be produced in other colors. This item is produced according to the European norm CEI-IEC 61386-24.

GrainDuct cableduct on coils is fitted with a pull-string and has an innerwall which eases the process of cable pulling.

OD	ID	Coil	Bend-radius	Length	Ring stiffness
40mm	32mm	25/50m	350mm	--	SN8
50mm	41mm	25/50m	350mm	--	SN8
63mm	52mm	25/50m	400mm	6m	SN8
75mm	61mm	25/50m	400mm	6m	SN8
90mm	75mm	25/50m	450mm	6m	SN8
110mm	94mm	25/50m	450mm	6m	SN6
125mm	106mm	25/50m	500mm	6m	SN4
160mm	135mm	25/50m	650mm	6m	SN4
200mm	175mm	25m	750mm	6m	SN4

When the system needs to be water-resistant, rings can be added to the click-socket. The system will then be water-resistant according to the IP67 norm (see chapter 5). This means that the pipes are dust-proof and are protected against immersion under a 1m watercolumn for a period of 30 minutes.

*The innerwall can be colored black or dark-grey, smaller sizes can be produced with a natural inner-layer.

**Product description:**

GrainDuct flexible double wall cable protection pipe in PE, on coils.

GrainDuct cableduct is produced on coils with a HDPE outerwall and a LDPE innerwall. The outerwall is red and the innerwall is black*. The pipe is produced with an innerwall which makes it easier to pull the cable through the system. The coils are equipped with a PET pull-string with a pull-force of $\pm 37\text{kg}$., which is added during production.

Material

- HDPE outerwall, PE-granulate (new material)
- LDPE innerwall, PE-regranulate (recycled material)
- PET pull-string

Connection

- Every coil or length is being fitted with a click-socket.
- When the system needs to be water-resistant, rings can be added which makes the system waterproof according to the IP67 norm.

Application

- Protection of cables and pipes

Prescribers

- GrainDuct cable protection pipe \varnothing mm
- Double wall PE, including pull-string and click-socket
- Flexible coils 50 meters or 25 meters, color red,
- Producer GrainPlastics B.V.



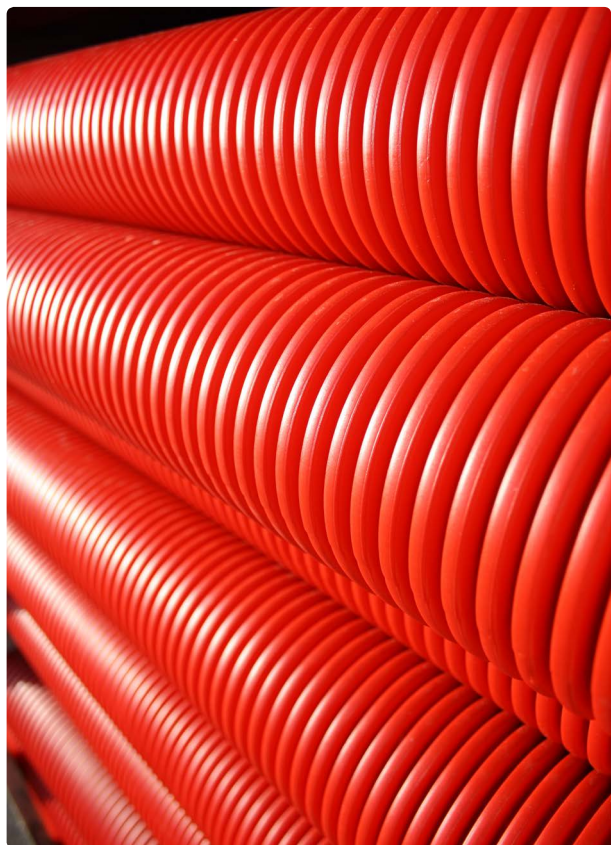
*The innerwall can be colored black or dark-grey, smaller sizes can be produced with a natural inner-layer.

**Product description:**

GrainDuct PE double wall cable protection pipe in 6 meter lengths.

GrainDuct cableduct on lengths is produced from HDPE, the outerwall is red and the innerwall is black.

The pipe is produced with an innerwall making it easier to pull the cable through the system.

**Material**

- HDPE outerwall, PE-granulate (new material)
- HDPE innerwall, PE-regranulate (recycled material)

Connection

- Every coil or length is being fitted with a click-socket.
- When the system needs to be water-resistant, rings can be added which makes the system waterproof according to the IP67 norm.

Application

- Protection of cables and pipes

Prescribers

- GrainDuct cable protection pipe Ømm
- Double wall PE, Including pull-string and click-socket
- 6 meter lengths, color red
- Producer GrainPlastics B.V.

When watertightness is required, sealings can be applied in combination with standard sockets. The system will then become watertight in accordance to the IP67-norm. This means that the pipes are dustproof and are protected against immersion up to 1 meter depth for a period of 30 minutes.

The IP-code (International Protection Rating, also known as Ingress Protection) is being used as an indication for protection of electrical equipment.

An IP-code consists of two digits. The first digit indicates the protection level against solids, the second digit indicates the protection level against fluids.

Protection rate against touch and penetrating objects (first digit)		
nr.	meaning	IP codename
0	Not protected	IP 0X
1	Protected against solid objects larger then 50mm	IP 1X
2	Protected against solid objects larger then 12mm	IP 2X Safe to touch
3	Protected against solid objects larger then 2,5mm	IP 3X
4	Protected against solid objects larger then 1mm	IP 4X
5	Protected against dust-particles	IP 5X Dust-free
6	Dust-resistant	IP 6X Dust-resistant

Protection rate against fluids (second digit)		
nr.	meaning	IP codename
0	Not protected	IP X0
1	Protected against dripping water	IP X1 Dripwatertight
2	Protected against dripping water when tilted at 15°	IP X2
3	Protected against spraying water	IP X3 Rainwatertight
4	Protected against splashing of water	IP X4
5	Protected against water jets	IP X5
6	Protected against powerful water jets	IP X6
7	Protected against immersion, up to 1 m depth	IP X7 Watertight
8	Protected against immersion, 1 m or more depth	IP X8



Cableduct; Diameters, coils, bend radius, length, ring stiffness

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