

CANALIT

System25



Description	EAN code	Article code
CANALIT Systeem25 cable duct 25x13mm crème	8714177023084	930010
CANALIT Systeem25 cable duct 25x13mm white	8714177023152	930020
CANALIT Systeem25 cable duct 25x13mm braun	8714177023220	930030
CANALIT Systeem25 cable duct 25x13mm crème 3m	8714177023299	930110
CANALIT Systeem25 cable duct 25x13mm white 3m	8714177023367	930120
CANALIT Systeem25 flat bend with bottom piece 25x13mm crème	8714177024418	931001
CANALIT Systeem25 inner bend with bottom piece 25x13mm crème	8714177024623	931011
CANALIT Systeem25 outer bend with bottom piece 25x13mm crème	8714177024838	931021
CANALIT Systeem25 coupling piece with bottom piece 25x13mm crème	8714177025040	931031
CANALIT Systeem25 end cover 25x13mm crème	8714177025255	931041
CANALIT Systeem25 t-joint with bottom piece 25x13mm crème	8714177025460	931051
CANALIT Systeem25 sleeve joint 16mm 25x13mm crème	8714177021417	931061
CANALIT Systeem25 sleeve joint 19mm 25x13mm crème	8714177021622	931071
CANALIT Systeem25 flat bend with bottom piece 25x13mm white	8714177024487	932001
CANALIT Systeem25 inner bend with bottom piece 25x13mm white	8714177024692	932011
CANALIT Systeem25 outer bend with bottom piece 25x13mm white	8714177024906	932021
CANALIT Systeem25 coupling piece with bottom piece 25x13mm white	8714177025118	932031
CANALIT Systeem25 end cover 25x13mm white	8714177025323	932041
CANALIT Systeem25 t-joint with bottom piece 25x13mm white	8714177025538	932051
CANALIT Systeem25 sleeve joint 16mm 25x13mm white	8714177021486	932061
CANALIT Systeem25 sleeve joint 19mm 25x13mm white	8714177021691	932071
CANALIT Systeem25 flat bend with bottom piece 25x13mm brown	8714177024555	933001
CANALIT Systeem25 inner bend with bottom piece 25x13mm brown	8714177024760	933011
CANALIT Systeem25 outer bend with bottom piece 25x13mm brown	8714177024975	933021
CANALIT Systeem25 coupling piece with bottom piece 25x13mm brown	8714177025187	933031
CANALIT Systeem25 end cover 25x13mm brown	8714177025392	933041
CANALIT Systeem25 t-joint with bottom piece 25x13mm brown	8714177025606	933051
CANALIT Systeem25 sleeve joint 16mm 25x13mm brown	8714177021554	933061
CANALIT Systeem25 sleeve joint 19mm 25x13mm brown	8714177021769	933071

Material specifications:

Systeem25 cable duct is made of PVC.

The accessories are made from ABS and the bottom pieces from HDPE.

Colour: RAL 9010 (white), RAL 1013 (crème) and RAL 8028 (brown).

The Systeem25 cable ducts and accessories meet the RoHS guideline (EU directive 2002/95/EF) and the REACH (EC1907/2006) guideline.

The white, braun and creme colour is achieved by adding a pigment.

Polyvinylchloride (PVC)

Excellent electricity insulating properties, tough and flexible. PVC has an excellent non-ageing property. With extreme temperatures (above 150°) harmful vapours are released, the breathing in of which must be prevented. The types used are not suitable for application involving nutrients.

Physical properties

Moisture content: 0.5% after 7 days immersion

Tensile strength: 224 kg/cm²

Dielectric strength: >400 Volt per 0,001 inch

Temperature range: -35°C to +80°C continuous

Chemical properties

This material is resistant to most chemicals, although some organic solvents can cause swelling.

Properties	Method	Unit	Value
Specific gravity	UNI 4294	g/cmc	1,46
Thickness	ASTM D792	g/cmc	1,46
Water absorption	UNI AB1950	%	0,02
Tensile strength (breaking point)	ASTM D638	kg/ccm	520
Elasticity to breaking point	ASTM D638	%	123
Tensile strength (to breaking point)	ASTM D638	kg/ccm	450
Rockwell hardness	ASTM D785	Scale R	115
Rockwell hardness	ASTM D785	Scale L	95
Handling temperature (5 kg in oil)	ASTM D1525	°C	85
Heat resistance under load	ASTM D1525	°C	78
Resistance to deforming (Martens)	DIN 53458	°C	190
Coefficient of expansion(linear)		mm/m/°C	0,052
Impact resistance	DIN 53453	kg/cm/cm ²	2,5
Elasticity module	ASTM D790	kg/cm ²	22,5
Dielectric constant	DIN 53483		5
Dielectric strength	DIN 53481	kV/mm	25
Behaviour in flames	ASTM D635		non-flammable

ABS

Properties	Standard	Parameter	Value	Unit
Density	ISO 1183-1		1,04	g/cm ³
Melt volume-Flow rate	ISO 1133	220°C / 10 kg	18	cm ³ /10min
Tensile strength	ISO 527	50 mm/min	46	MPa
Tensile strain	ISO 527	50 mm/min	2,5	%
Tensile modulus	ISO 527	1 mm/min	2200	MPa
Charpy - impact strength	ISO 179/1eU	23°C	17	kJ/m ²
Izod - notched impact strength	ISO 180/4A	23°C	23	kJ/m ²
VICAT softening temperature	ISO 306	B50 (50N)	95	°C
Temperature of deflection under load	ISO 75	Af (1,80 Mpa)	98	°C
		Bf (0,45 MPa)	102	°C

Chemical resistance ABS

Medium	Resistance
Water	++
Weak acid	++
Strong acid	+/-
Hydrofluoric acid	++
Weak base	++
Strong base	++
Inorganic salten	++
Halogen	--
Halogen Alkanes	--
Alcohol	+/-
Ether	--
Ester	--
Ketone	--
Aldehyde	+/-
Amine	++
Organic acid	++
Aromatic compound	--
Fuel	++
Mineraloil	++



++ = resistant
+ - = less resistant
-- = not resistant

HDPE

Properties	Test methods	Unit	Value
Density at 23°C	ISO 1183 A ASTM D 792	Kg/m ³	957
Melting point at 2.16 Kg load	DIN 53735 ISO 1133 ASTM D 1238	g/10 min	4.8

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