

# Filofast thermoshrink joints



The Filofast joints have been developed for telecom networks, based on a special sealing material, and offer many advantages against other jointing methods existing in the market. Installation is easy, and the result is extremely reliable. Filofast joints can be used for connection- as well as for branch-off joints.

## Features

- Saving on installation time up to 25%
- Fewer components
- No adhesive rings or scops required
- Substantial saving on instruction of mechanics
- Reliable and long lasting sealing for water penetration
- Less man-dependant
- Lower risk of cable damage due to lower temperature
- Lasting flexible seal
- Only one installation method for all cable types
- Safer during re-opening of the joint: no fluid hot adhesives
- Kits are being supplied with all required components
- Upon request, other sets can be assembled to meet your requirements exactly

## Specifications

# Filofast thermoshrink joints

Criteria	Condition	Norm	Filofast joint
Visual appearance		QCTS E121	No visible change
Longitudinal shrinkage	23+/-3°C		>5% (measured 0%)
Installation	5 - 45°C		> 10E10 ohm
Intermittent environmental temp.	10 cycli	IEC 60068-2-14	> 10E10 ohm
Water penetration	7 days	IEC 60068-2-17	> 10E10 ohm
Isolation resistance	1 minute	IEC 60512-1-1	> 10E10 ohm
UV resistance	20°C/min	ISO 11358	>2% C
Stress cracking	30d 50°C	IEC 60811-4-1 B	No damage
Tensile strength longitudinal	23= +/- 3°C	ISO 527 1 + 3	13,7 Mpa
Tensile strength radial	23= +/- 3°C	ISO 527 1 + 3	15,8 Mpa
Elongation at break longitudinal	23= +/- 3°C	ISO 527 1 + 3	1200%
Elongation at break radial	23= +/- 3°C	ISO 527 1 + 3	1200%
Shrink parameter	5 minutes		
Melting temperature adhesive			Ca. 80°C
Weakening point adhesive		ASTM E28	Ca. 70°C
Hardness thermoshrink material		ISO 868	51 ° D
Brittleness		ISO 974	Still flexible at -20°C
Thermal aging	68 hours	ISO 188	17,4 Mpa
Thermal aging	168 hours	ISO 188	400%
Die-electric strength		IEC 243	>10 kV/mm
Bonding strength adhesive	50 mm/min		Ca. 35 N/25mm



## More info

In all our heat-shrink products, we start from the principle that the products must be reliable and as good as the cable itself. The high quality of the heat-shrinkage products, and to the detailed instructions for use comply with this principle. The large and complete range of heat shrinkable products consists of connecting, transitional and end sleeves and various products for various cable constructions. The products include all necessary materials for a perfect protection of the cable. The shrinkage products are manufactured from quality raw materials with very high cross-linking and can shall be provided with an internal coating. Depending on the application can use these internal coating consist of an adhesive layer, or a mastic layer. The production is carefully monitored according to ISO 9001

## Products

Art.nr.	Product Name	Order unit
800270	Filofast 50/15-500	10 pcs/carton
800271	Filofast 105/30-600	10 pcs/carton
800250	Filofast 50/15-500	10 pcs/carton
800251	Filofast 50/15-500	10 pcs/carton
800260	Filofast 50/15-500	10 pcs/carton
800261	Filofast 50/15-500	10 pcs/carton