

Filofast thermoshrink joints



The Filofast joints have been developed for telecom networks, which is based on a special sealing material. This joint offers 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 both straight and branch connections.

Features

- Saving on installation time up to 25%
- Fewer components
- No adhesive rings or scops required
- Reliable and long lasting sealing against water penetration
- Low risk of cable damage when shrinking the material round the connection.
- Long lasting flexible seal
- Only one installation method for all cable types
- Easy to re-enter the joint if needed:
- Upon request, we can adapt the kit & components to suit your requirements

Specifications

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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%
Dielectric strength		IEC 243	>10 kV/mm
Bonding strength adhesive	50 mm/min		Ca. 35 N/25mm

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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-shrinkable 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 shrinkable products are manufactured from high quality raw materials with very high cross-linking and can be provided with an internal coating if required. Depending on the application 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
800270UK	FiloFast 50/50-500	10 pcs/carton
800271UK	FiloFast 105/30-600	10 pcs/carton