

# ARTOFIL SPUN YARN: THE MOST COST EFFECTIVE CONDUCTOR WATER BLOCKER

## Artofil

Since 1951, Artofil is the manufacturer of High Tech Yarn for industrial applications. Customers rely on our knowhow and expertise for more than 65 years. Close co-operation enables Artofil to provide dedicated yarn solutions that fit our customer's requirements. The majority of the worldwide top 10 cable manufacturers use Artofil Yarn and Coatings and appreciate the

- high reliability
- high quality
- high tech solutions
- high service

## Advantages

Power cable manufacturers have been choosing Artofil swellable yarn for over 25 years to water block conductors instead of swellable tape, powder and mastic for:

- Reliability  
Comply with all international cable standards
- On and Offshore buried cables
- All conductor designs - Concentric, Millicken
- Excellent water blocking performance in tap and salt water (NaCl 3.5%)





## Advantages versus other swellable materials

(Depending on conductor design)

### Cost savings

- Purchase: lower raw material cost.
- Production: higher line speed/output
- Logistics: lower storage and handling cost, one yarn size fits all.
- Lower capex and low opex.

### Conductor design advantage

- Lower electrical resistance
- Lower weight

### Health & safety

- Easy and safe handling by operators
- Clean product
- Less dust during processing
- Environmental friendly

Properties	Product	HSS 100XX	HSS 200XX
Mass per unit length	g/100m	1	0.5
Mass per 9,000 m	denier	9000	4500
Metric Count (Nm)	km/kg	1	2
Tensile strength	N	70	60
Elongation (min)	%	15	12
Water absorption capacity	ml/g	65	60
Water absorption speed	ml/g/1min	52	48
Water absorption unit length	g/m	65	30
Max service temperature	°C	150	150
Max processing temperature	°C	230	230
Diameter (width) dry	mm	1.8	1.2

### Contact

Interested or questions?

We have samples ready for shipment to you.

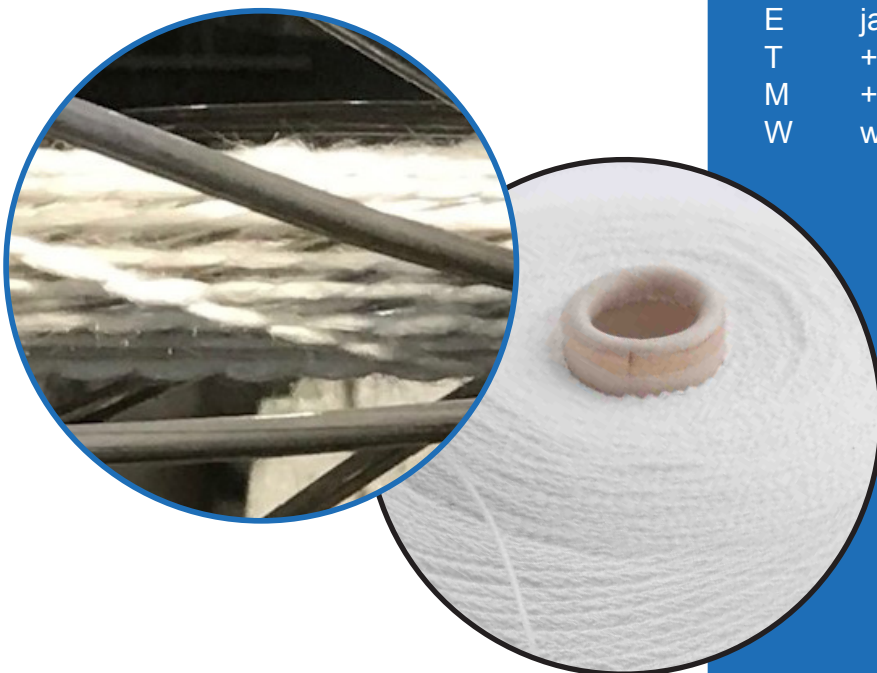
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