

ARTOFIL WATERBLOCKING YARN FOR FIBER OPTIC CABLES

Artofil

Since 1951, Artofil is the manufacturer of High Tech Yarn industrial applications. Customers rely on our knowhow and expertise for more than 70 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

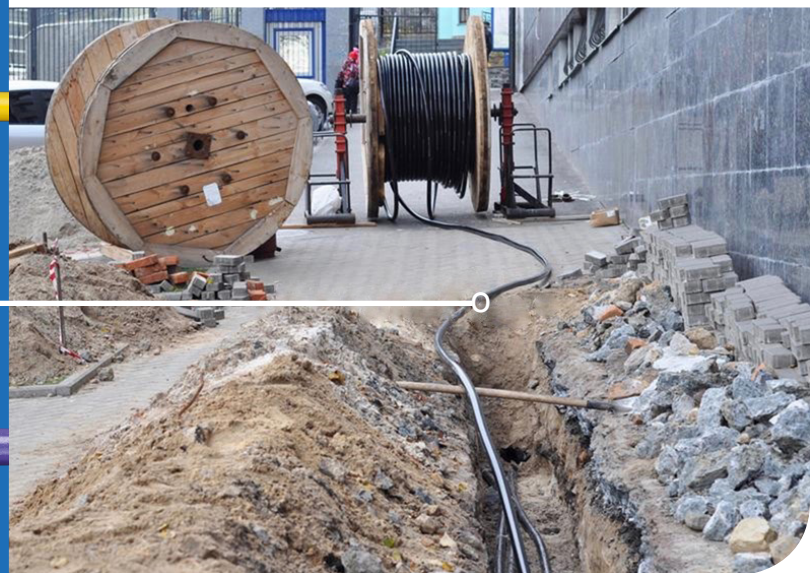
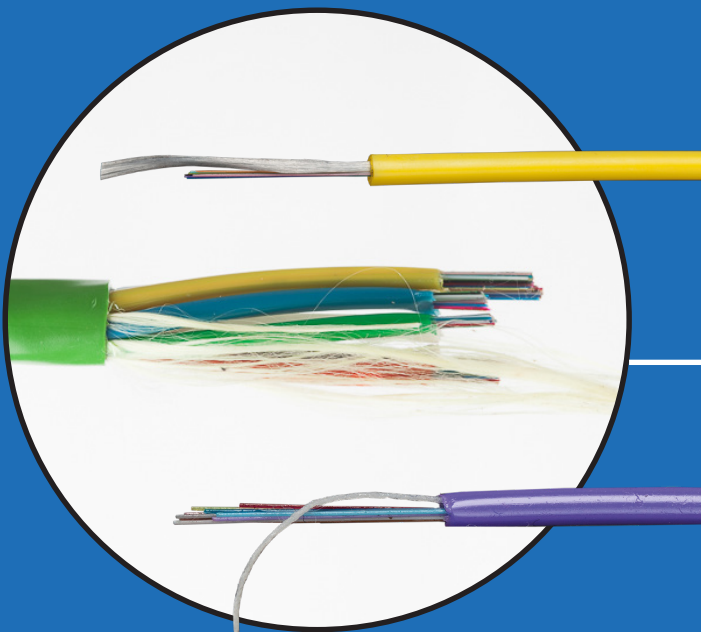
- high reliability
- high quality
- high tech solutions
- high service

Superior performance

The unique patented combination of production method and waterswellable coating make our our excellent CSP range of products stand out from the rest. Its features make it the excellent waterblocking and cost effective choice in optical and fine cable designs.

Our patented CSP-ES products have superior performance on swellability and processibility versus competition. Our products are used in various fiber optic cable applications:

- swellable binders with low shrinkage
- waterblocking fillers around central strength member
- swellable ribcord (in colors when required)
- tube thread for dry tubes.



ARTOFIL UV-CURED WATERSWELLABLE COATED MULTIFILAMENTS

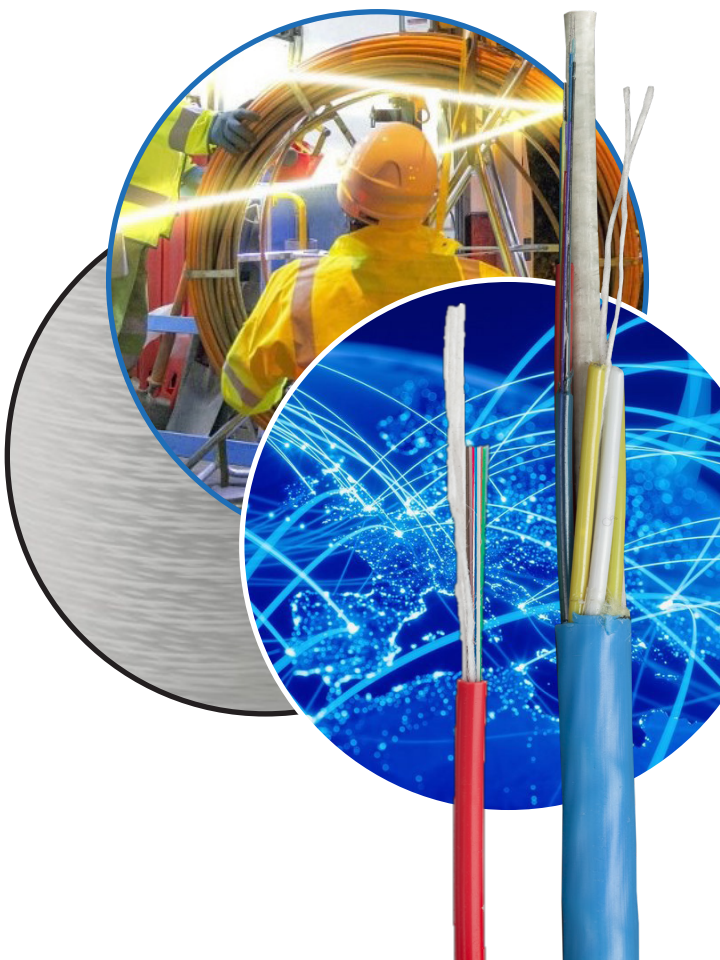
PRODUCT PROPERTIES		CSP 1500-ES	CSP 1200-ES	CSP 950-ES	CSP 710-ES	CSP 470-ES	CSP 370-ES	CSP 185-ES
Mass per 9,000 m	denier	600	750	947	1267	1915	2432	4864
Mass per 10,000 m	dtex	667	833	1052	1408	2127	2702	5405
Calculated Yield	m/kg	15000	12000	9500	7100	4700	3700	1850
Metric Count (Nm)	km/kg	15	12	9,5	7,1	4,7	3,7	1,85
Tensile strength	N	35	45	50	70	100	120	200
Elongation	%	> 17	> 12	> 12	> 10	> 10	> 10	> 10
Water absorption speed	ml/g/1min	100	100	100	100	100	100	100
Water absorption capacity	ml/g	120	120	120	120	120	120	120
Water absorption	g/m	8	10	12,63	16,90	25,53	32,43	64,86
Ultra Low Shrinkage 180 15 min	%	< 2,4	< 2,4	< 2,4	< 2,4	< 2,4	< 2,4	< 2,4

MAKE UP

Weight	kg	4	4	5	5	5	5	5
Yarn Length	m	60.000	48.000	47.500	35.500	23.500	18.500	9.250
Core Type	-	Tube						
Core inner diameter	mm	54 / 60 / 76 / 90 / 94 / 107 / 127						
Core Length	mm	216						
Max, Outer diameter	mm	250						

Advantages

- Most cost effective waterblocking solution
- Highest water absorption capacity per length
- Clean, particle and dust free, no lumps
- Reliable and uniform product
- Highest yield ratio, long continues length
- No splices



Contact

Interested or questions?
We have samples ready for shipment to you.
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