

Roblon WB Binder Yarn

Swellable binder yarn, precision wound onto high speed spools to be used for binding of e.g. SZ-stranded elements.

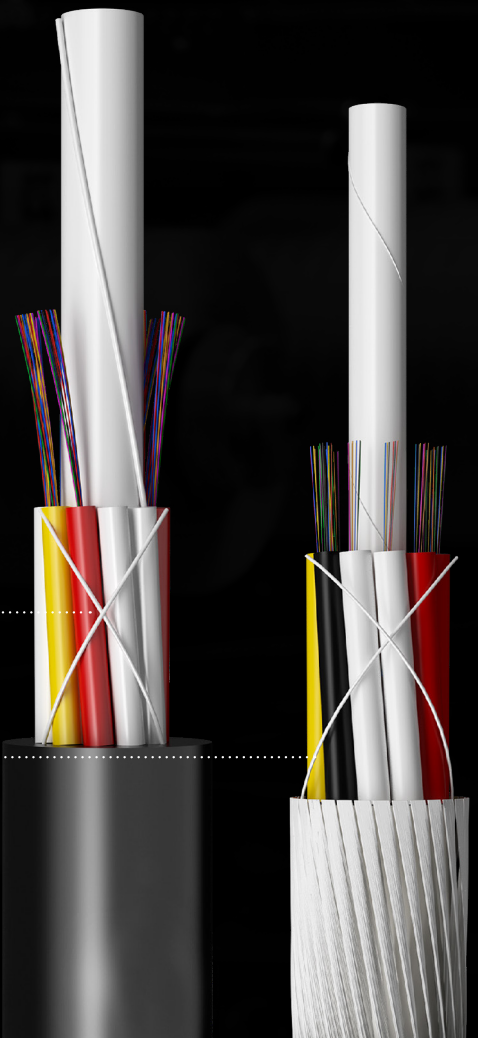
Roblon's water-blocking (WB) polyester yarns help prevent longitudinal water penetration in cable constructions. The impregnation process of the super absorbent powder on the polyester yarns ensures an even distribution of the swellable effect as well as a dust-free application even at high rotational speeds.

Further, the low meter weight of the yarns ensures that the method of protecting the cables from water is an economic alternative.

- Dust-free even at high rotational speed
- Quickly absorbs water
- Very high spool quality
- Available in dual-end versions
- Ultra low shrinkage types available
- Optimal use in Roblon concentric binders

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Excellent balancing of the binder head and centering of yarn package makes it possible to run the concentric binder at very high rotation speed.

Often used for fixation of longitudinal folded tape in combination with Roblon Tape Pay-Off TP-1 and TP-1XL.



DUAL END



SINGLE END



HIGH SPEED
4000RPM



LOW METER
WEIGHT



SMOOTH
NO DUST



WATER
BLOCKING



LOW
SHRINKAGE



ULTRA LOW
SHRINKAGE

Roblon

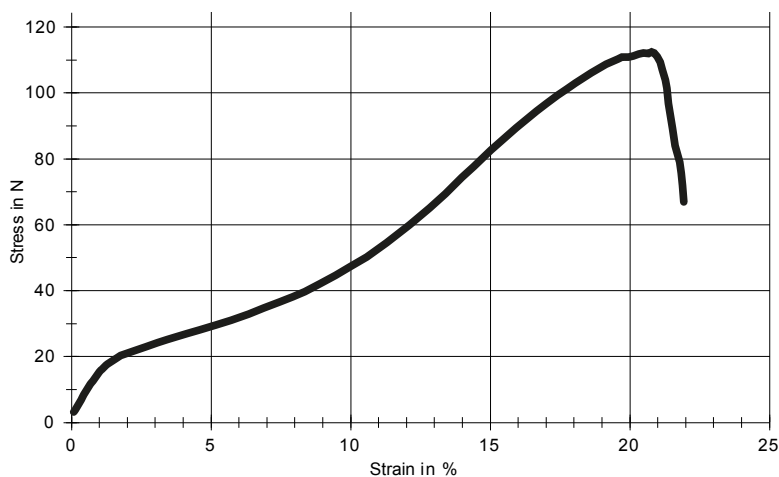
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Properties	Meter weight	Runnage	Break Strength	Elongation	Shrinkage at 150°C *15 min	Shrinkage at 190 °C *15 min	Absorption	Absorption
Unit	g/m	m/kg	N	%	%	%	g/m	g/g
WB 1100 dTex LS								
Nom.	0.131	7634	70	20			2.0	15.3
Min.	0.118	6940	65	16			1.5	10.4
Max.	0.144	8482		24	2.0	4.0		
WB 1670 dTex LS								
Nom.	0.189	5291	105	20			2.3	12.2
Min.	0.170	4810	95	16			1.2	5.8
Max.	0.208	5879		24	2.0	4.0		
WB 2200 dTex LS								
Nom.	0.245	4082	140	20			3.0	12.2
Min.	0.221	3711	125	16			2.0	7.4
Max.	0.270	4535		24	2.0	4.0		
WB 3300 dTex LS								
Nom.	0.366	2730	214	23			2.9	8.0
Min.	0.340	2560	190	21			1.6	4.6
Max.	0.390	2920		25	2.0	4.0		
WB 1100 dTex ULS								
Nom.	0.127	7874	75	20		0.8	2.0	15.7
Min.	0.114	7158	65	16			1.5	10.7
Max.	0.140	8749		28		1.3		
WB 1670 dTex ULS								
Nom.	0.184	5435	105	21		1.0	2.3	12.5
Min.	0.166	4941	95	16			1.2	5.9
Max.	0.202	6039		28		1.6		
WB 2200 dTex ULS								
Nom.	0.259	3861	150	20		0.8	3.0	11.6
Min.	0.233	3510	140	16			2.0	7.0
Max.	0.285	4290		28		1.3		

Elongation at break: 1670 dTex LS (example)



Roblon water-blocking (WB) ultra low shrinkage binder yarn applied on state-of-the-art machinery prevents the loose tubes from being damaged during processing.