

# Roblon WB Composite Glass

**Roblon Water-Blocking (WB) Composite Glass is a hotmelt coated glass strength member ideal for duct or buried, dry core optical fiber cables.**

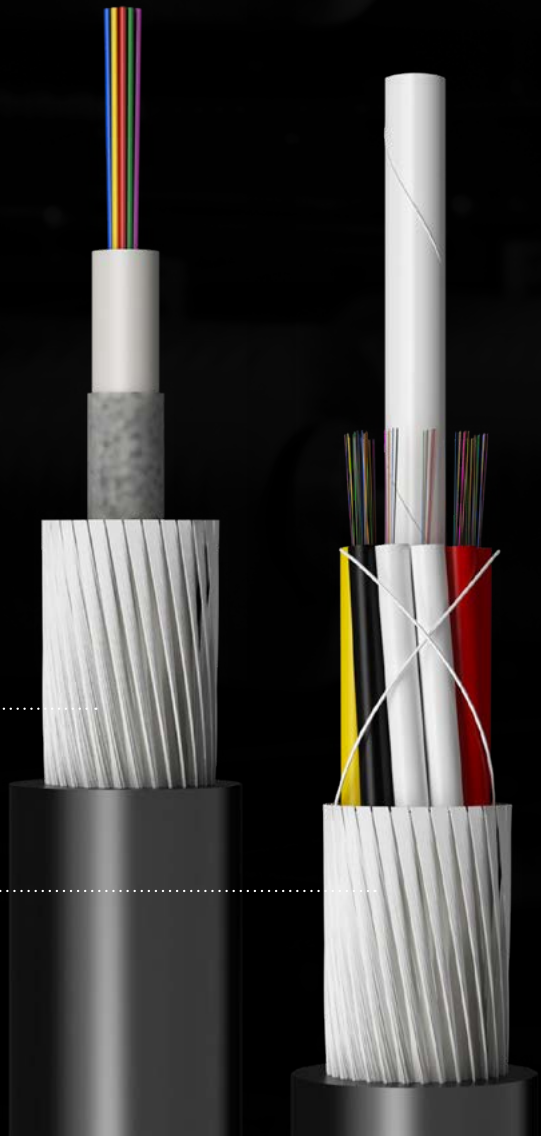
Roblon Water-Blocking Composite Glass is a fully impregnated strength member which prevents water from penetrating optical fiber cables. The glass yarn is coated with a thermoplastic hotmelt and covered with a super-absorbent polymer formulation.

The use of water-blocking strength members reduces or eliminates the need for including gels or water-blocking tapes in the optical fiber cable design.

- Protects cable core from water
- Hotmelt encapsulated
- No dust during production
- Offers good compression strength to cable
- Optimal use in Roblon standard servers



Roblon WB Composite Glass  
Roblon WB Composite Glass



ADHESIVE /  
BONDING TO  
CABLE JACKET



AERIAL CABLE  
SHORT SPAN



CAN BE  
REACTIVATED  
(HOTMELT / WB)



HIGH  
COMPRESSIVE  
STRENGTH



WEAR  
RESISTANT



WATER  
BLOCKING

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**Roblon**

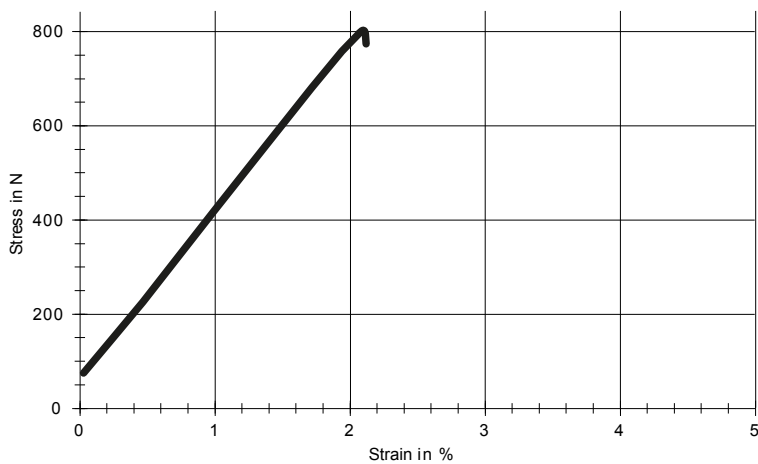
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Properties	Meter weight	Runnage	Break Strength	Elongation	E-modulus	LASE 0.3%	LASE 0.5%	LASE 1.0%	Absorption	Absorption
Unit	g/m	m/kg	N	%	GPa	N	N	N	g/m	g/g
<b>WB 600 Tex</b>										
Nom.	0.85	1176	550	2.7	80	85	125	215	2.5	2.9
Min.	0.77	1070	385	1.7	70	70	110	190	1.5	1.6
Max.	0.94	1307		3.7	90	100	130	240		
<b>WB 1200 Tex</b>										
Nom.	1.57	637	960	2.7	80	165	235	410	3.5	2.2
Min.	1.41	579	670	1.7	70	150	220	370	2.0	1.2
Max.	1.73	708		3.7	90	180	250	450		
<b>WB 1800 Tex</b>										
Nom.	2.32	431	1375	2.7	75	240	340	590	4.0	1.7
Min.	2.09	392	960	1.7	65	225	310	540	2.5	1.0
Max.	2.55	479		3.7	85	255	370	640		
<b>WB 2400 Tex</b>										
Nom.	3.04	329	1775	2.7	75	315	440	770	4.5	1.5
Min.	2.74	299	1245	1.7	65	285	395	695	3.0	0.9
Max.	3.34	365		3.7	85	345	485	845		

### Tensile strength: 1200 Tex (example)



The water-blocking solution is applied on top of the hotmelt impregnation.