

CABLE



Product Datasheet

3WY Waterblocking yarns



Description

- Water swellable wrap yarn
- Parallel fibers with fiber wrapped around the core
- Smooth surface
- Excellent swelling and gel strength
- Easily compressible

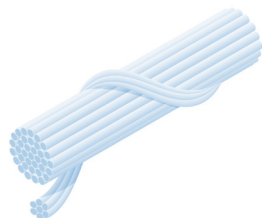
Application

- Binding and waterblocking in Fiber Optic, Data and Power Cables
- Apply longitudinal or cross laying
- In watertight conductors, as central filler or cross laying over strands
- Filler between cable cores of multi core cables
- Binder and waterblocking in multi core cable

Specifications

Properties		3WY020	3WY017	3WY025	3WY055	3WY410	3WY480
Diameter dry	mm	1,0	1,5	2,0	3,5	6,0	7,5
Diameter wet	mm	3,0	5,0	6,0	9,0	15,0	17,0
Mass per 9.000 m	denier	2.000	4.500	9.000	18.000	41.000	48.000
Mass per 10.000 m	dtex	2.222	5.000	10.000	20.000	45.556	53.333
Length per kg	km/kg	4,5	2,0	1,0	0,5	0,22	0,19
Water absorbency	g/m	> 5,6	> 15	> 30	> 60	> 137	> 160
Water absorbency	g/g	> 25	> 30	> 30	> 30	> 30	> 30
Tensile strength	N	> 30	> 40	> 78	> 90	> 90	> 100
Elongation	%	> 12	> 12	> 12	> 12	> 12	> 12
Service temperature	°C	≤ 100	≤ 100	≤ 100	≤ 100	≤ 100	≤ 100
Processing temperature	°C	≤ 200	≤ 200	≤ 200	≤ 200	≤ 200	≤ 200

Product composition



Packaging dimensions

All yarns can be supplied on various cones and tubes. Please contact our sales office for exact specifications.

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