

CABLE



Product Datasheet

3SY

Waterblocking yarns



Description

- Water swellable ring spin yarn
- Twisted fibers
- Smooth surface
- Excellent swelling and gel strength
- Easily compressible

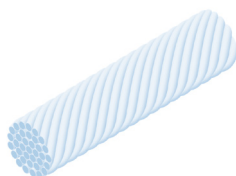
Application

- 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		3SY006	3SY008	3SY011	3SY020	3SY030
Diameter dry	mm	0,3	0,4	0,6	1,0	1,5
Diameter wet	mm	0,7	1,5	1,7	3,5	4,0
Mass per 9.000 m	denier	650	850	1.100	2.000	3.000
Mass per 10.000 m	dtex	722	944	1.222	2.222	3.333
Length per kg	km/kg	13,8	10,6	8,2	4,5	3,0
Water absorbency	g/m	> 2,2	> 2,8	> 3,1	> 6,7	> 10
Water absorbency	g/g	> 30	> 30	> 25	> 30	> 30
Tensile strength	N	> 8	> 9	> 15	> 22	> 30
Elongation	%	> 12	> 12	> 12	> 12	> 12
Service temperature	°C	≤ 100	≤ 100	≤ 100	≤ 100	≤ 100
Processing temperature	°C	≤ 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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