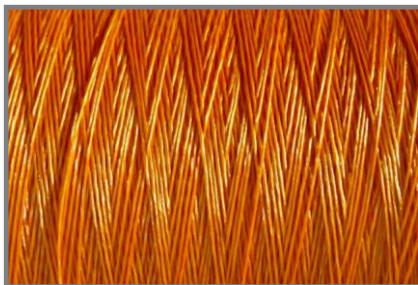
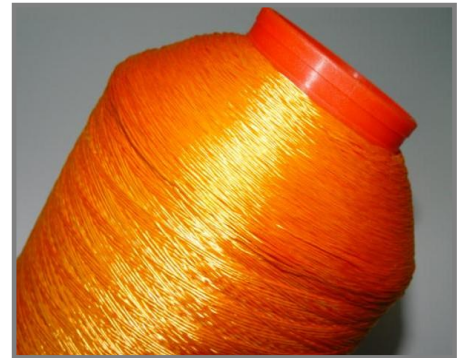


PTc55-LS
High tenacity and low shrinkage twisted and coloured polyester yarn
55 TEX
Binder yarn
Used mainly for OPTICAL FIBER CABLES
Product Code = 005507100263



Product manufactured according high performance features demanded by telecom cables.

The PTc55-LS is a twisted and coloured high tenacity polyester yarn, used as an identification tool.

With a value of tenacity higher than 0,55 Newton per TEX and shrinkage value close to 1,50%, the PTc55-LS is the best choice against problems appeared after extrude the hot jacket on cable.

Product also can be supplied with wide range of colours and with different twisting values under request, following Customer requirements.

Benefits & Features

In product...

- Regular and continuous fiber, prevents damage on surface of loose tubes during binding process.
- Smooth and soft, doesn't create any interference in cable surface
- First quality raw material
- No dust during manipulation

In performance...

- Very low shrinkage against temperature
- Non conductive material
- Variable level of flexibility, with good adaptation to cable shape

In packing...

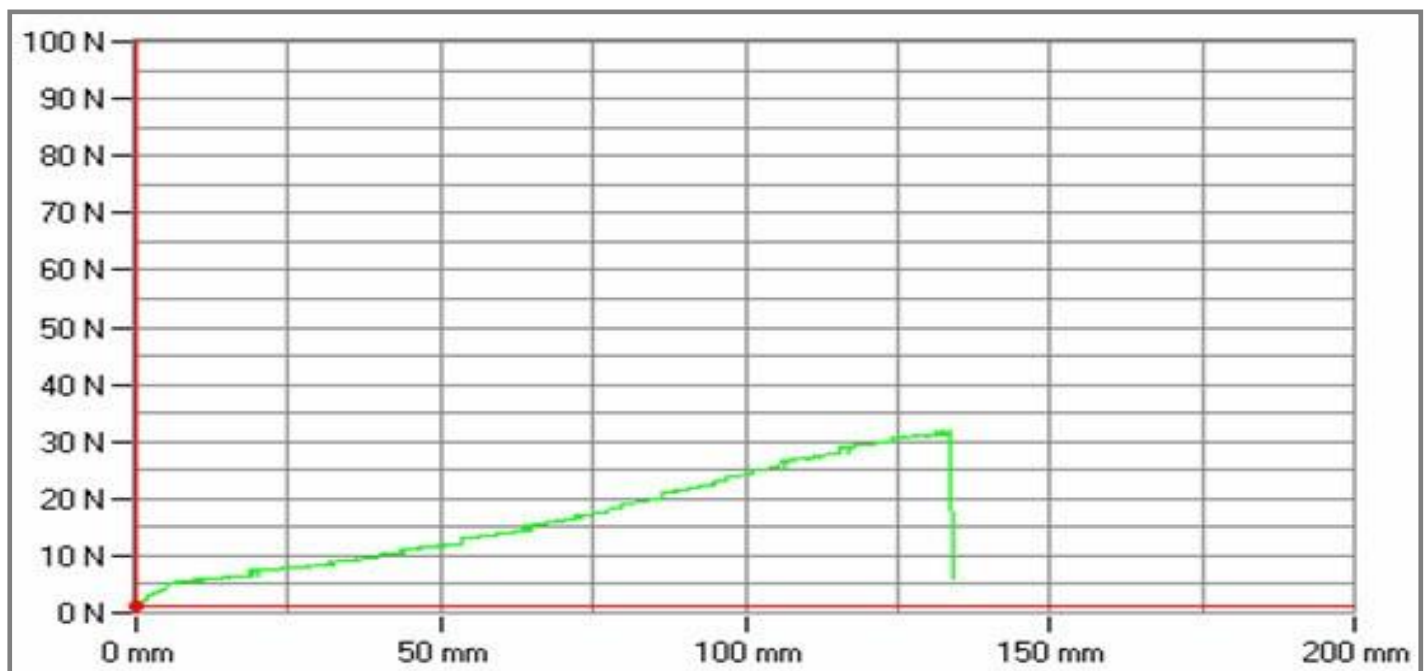
- Pressed and precision wound, guarantees high-speed serving during cable binding
- Available with slit tubes for easy removal from shafts
- Tailored spools: by exact meters or diameter
- Yarn queue is identified with a green label for easy processing
- Plastic bag for each package, keeps the yarn in perfect shape for usage, even is stocked for a long periods
- Textured cardboard surface to prevent yarn' slipping through the tube.
- Automatic label generation, allows to trace the whole process
- Each batch is delivered with Quality Certificate of properties.

Technical Data

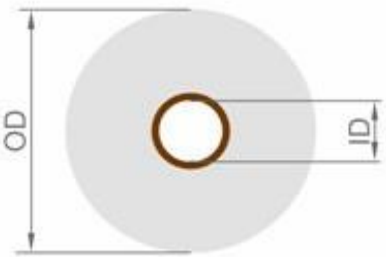
Product Property	Unit	Lowest value	Nominal Value	Uppest Value
Linear density	TEX	49,00	55,00	61,00
Tensile strength ⁽¹⁾	Newton	25,00	30,00	-
Elongation at break	%	6,00	13,00	20,00
Young Modulus	Gpa	-	5,10	-
LASE 0,30% ⁽²⁾	Newton	3,15	3,50	-
LASE 0,50% ⁽²⁾	Newton	4,50	5,00	-
LASE 1,00% ⁽²⁾	Newton	4,95	5,50	-
LASE 1,50% ⁽²⁾	Newton	5,85	6,00	-
Weight	Gram/meter	0,049	0,055	0,061
Runnage	meters/Kilogram	16.393,44	18.181,82	20.408,16
Shrinkage (180°C-15min)	%	0,50	1,50	2,50

(1) Test-speed: 100mm/min (2) Pre-tension: 0,02 N/Tex

Tensile Strength Graph



Packing Details



Tube reference	Inner Diameter	Length	Traverse	Outer diameter (max)	Surface
T76x275	76 mm	275 mm	250 mm	300 mm	Rough
T94x215	94 mm	215 mm	195 mm	300 mm	Rough
T94x290	94 mm	290 mm	250 mm	300 mm	Rough
T107x215	107 mm	215 mm	195 mm	300 mm	Rough
T127x215 ** slitted **	127 mm	215 mm	195 mm	300 mm	Rough and sliced

D I S C L A I M E R

Data and values shown in this file are according our tests in laboratory. Although comes from our experience and knowledge, can not be used as a warranty of any kind because too many factors are involved in results, so we can not get any responsibility from here.

Accepting product described here, end-user agrees to make by himself necessary tests to be sure that product is suitable for desired application.

In the same way, **GOTEX S.A.** keeps the right to make changes in this data sheet without previous notice.

Date appeared in this document cancels old editions.

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