

# HEATSENSE®

C A B L E S

Specialist High-Performance Solutions

## TYGATHREAD™

Heatsense **TYGATHREAD™** is a high-performance range of PTFE coated glass yarns. Exhibiting improved handle, chemical resistance and durability, these products have applications in wire and cable insulation, tracer identification and lacing cords.

### Typical Properties

<u>Item</u>	<u>Yarn Type</u>	<u>Weight g/km</u>	<u>% PTFE</u>	<u>Tensile (N)</u>
YN11HC/NO/U/001	11/1/2	26	15	7
YN11HC/NO/S/001	11/1/2	26	15	7
YN11SZ/NO/U/001	11/1/2	26	15	12
YN11SZ/NO/S/001	11/1/2	26	15	10
YN22HC/NO/U/001	22/1/2	53	17	16
YN22HC/NO/S/001	22/1/2	53	17	16
YN22SZ/NO/U/001	22/1/2	53	17	17
YN22SZ/NO/S/001	22/1/2	53	17	17
YN23HC/NO/U/001	22/1/3	79	17	25
YN23HC/NO/S/001	22/1/3	79	17	25
YN23SZ/NO/U/001	22/1/3	79	17	27
YN23SZ/NO/S/001	22/1/3	79	17	27

#### Designation:

The Yarn is coded as follows:

<u>First 4 Positions</u>	<u>Yarn tex</u>
<u>5<sup>th</sup> &amp; 6<sup>th</sup> Positions</u>	HC = heat-cleaned SZ = sized
<u>7 &amp; 8<sup>th</sup> Positions</u>	NO = natural RD = red BL = blue etc
<u>9<sup>th</sup> Position</u>	U = unsintered S = sintered
<u>10 &amp; 12 Position</u>	Number of ends

#### Applications:

TYGATHREAD™ PTFE coated yarns have applications as a secondary insulator as a braid in electrical cables, particularly those used in aircraft wiring harnesses. Cables manufactured using TYGATHREAD™ PTFE coated glass yarns can be designed to meet MIL W-22759 standards. TYGATHREAD™ yarns have the advantage of chemical and abrasion resistance, and improved handle. TYGATHREAD™ yarns are also used in the manufacture of lacing cords, and as tracer threads in high temperature insulation.

Availability: Standard single or multi-end bobbins are 108mm long and contain approximately 225g of coated yarn. Up to seven ends can be supplied as standard, subject to order quantities. Commission coating of customer specialities and non-standard winding is available on request.

The data listed herein fall within the normal range of product properties for the products described, but they should not be used to establish specification limits nor used alone as the basis of design. HEATSENSE assumes no obligation or liability for any advice furnished by it or for results obtained to these products. All such advice is provided gratis and Buyer assumes sole responsibility for results obtained in reliance thereon. HEATSENSE warrants that the material itself does not knowingly infringe any patent, but no license is implied nor is any further warranty made.