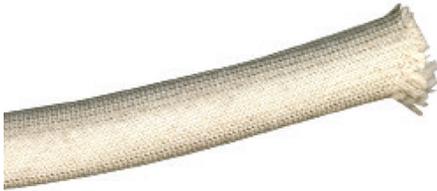


Heat Treated Fibreglass Electrical Sleeving

multicomp PRO



Description:

The GSX series sleeving consists of tightly braided fibreglass designated Class 240°C insulation that is heat annealed to remove organic impurities and improve handling. The addition of a tan-coloured, high-temperature resin dye affords additional fray resistance and firmness for cutting and installation. It is used as primary insulation on low voltage applications such as leads in toasters, hot plates hand irons, coffee makers and other applications where low voltage and high temperatures are involved. The GSX series tubing can withstand temperatures as high as 648°C (1,200°F). Sold in 100' spools.

Features:

The fibreglass sleeving is a custom-braided fibreglass sleeving designed specifically for applications where temperatures as high as 1,200°F may be encountered. It will maintain its basic properties and do the job in appropriate applications.

The heat treatment applied during production gives fibreglass sleeving non-fraying properties that make it ideal for applications where short lengths are used. The heat treatment also sets the size and removes the starch-oil binder. Easily expanded for ease of installation. Standard wall thickness.

For flexibility, expandability, high temperature applications, and resistance to fraying, sleeving is the material to use.

Applications:

The fibreglass sleeving is used where space factor electrical insulation is sufficient, particularly where high temperatures are encountered. It is used as primary insulation on low voltage applications such as leads in toasters, hot plates, hand irons, coffee makers, range units, percolators, french-fry vessels and other appliances.

In some cases, the fibreglass sleeving is used as supplementary insulation and protection for other types of primary insulation such as asbestos, extruded silicone rubber, etc. It is popular as a replacement for asbestos gasketing.

The fibreglass sleeving is used as insulation and protection for small heaters and resistors which operate at high temperatures. A frequent use of the fibreglass sleeving is over electrical joints, especially where solder is used and soldering iron temperatures may be reached by the insulation for short periods.

A new use of the fibreglass sleeving is in vacuum pressure impregnation of stators and rotors, where it is used in heavy wall version on coil ends and leads.

Non-electrical uses include gaskets for range doors and range door windows, as chemical filters, as reinforcement for baseball bat handles and many others.

Advantages:

For low-voltage applications, especially those involving heat, the fibreglass sleeving provides a sturdy, long-lasting and inexpensive insulation. It is flexible and expandable, enabling it to be readily slipped over irregular profiles. It is readily saturated with insulating varnishes or other impregnates. It will withstand use temperatures as high as 648°C (1,200°F)

Standard Colour:

Unsaturated – Natural Silver to Tan

Heat Treated Fibreglass Electrical Sleeving

multicomp PRO

Notes:

1. Operating Temp. : -60°C to 648°C (-76°F to 1200°F)
2. Temperature Class : Class 240°C insulation
3. Non-Corrosive
4. Fungus Resistance : Does not support growth

Part Number Table

Description	Size (AWG)	Inside Diameter		Wall Thickness (Nominal)	Length	Part Number
		Minimum mm (Inches)	Maximum mm (Inches)			
Heat Treated Fibreglass Electrical Sleeving	24	0.51 (0.02)	0.66 (0.027)	0.012	100 ft. (30.5m)	GSX-S24-1100-NAT
	22	0.64 (0.025)	0.81 (0.032)	0.012		GSX-S22-1100-NAT
	20	0.81 (0.032)	0.99 (0.039)	0.012		GSX-S20-1100-NAT
	18	1.02 (0.04)	1.24 (0.049)	0.012		GSX-S18-1100-NAT
	16	1.3 (0.051)	1.55 (0.061)	0.012		GSX-S16-1100-NAT
	14	1.63 (0.064)	1.88 (0.074)	0.013		GSX-S14-1100-NAT
	12	2.06 (0.081)	2.31 (0.091)	0.015		GSX-S12-1100-NAT
	10	2.59 (0.102)	2.84 (0.112)	0.015		GSX-S10-1100-NAT
	8	3.28 (0.129)	3.58 (0.141)	0.015		GSX-S08-1100-NAT
	6	4.11 (0.162)	4.52 (0.178)	0.015		GSX-S06-1100-NAT
	4	5.18 (0.204)	5.69 (0.224)	0.015		GSX-S04-1100-NAT
	2	6.55 (0.258)	7.06 (0.278)	0.018		GSX-S02-1100-NAT
	0	8.26 (0.325)	8.81 (0.347)	0.018		GSX-S00-1100-NAT
	3/8"	9.53 (0.375)	10.13 (0.399)	0.022		GSX-024-1100-NAT
	7/16"	11.13 (0.438)	11.73 (0.462)	0.022		GSX-028-1100-NAT
	1/2"	12.7 (0.5)	13.31(0.524)	0.022		GSX-032-1100-NAT
	5/8"	15.88 (0.625)	16.64 (0.655)	0.022		GSX-040-1100-NAT
	3/4"	19.05 (0.75)	19.96 (0.786)	0.022		GSX-048-1100-NAT
	1"	25.4 (1)	26.31 (1.036)	0.022		GSX-064-1100-NAT

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
Element14.com/multicomp-pro

multicomp PRO