

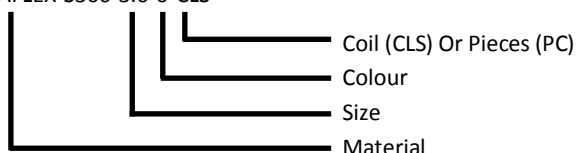
### Applications

Vidaflex S300 series of insulation sleeveings find application in all types of high temperature rated electrical equipment and appliances as primary insulation or as secondary reinforcing and protection for conductors in high heat zones and in areas of likely mechanical damage.

Vidaflex S300 series are widely used as cable protection sleeveings in vehicle wiring harnesses.

0—Black	4—Yellow
1—Brown	6—Blue
2—Red	X—Natural

VIDAFLEX-S300-3.0-0-CLS



### Features and Benefits

Vidaflex S300 series of high temperature insulation sleeveings are manufactured by coating knitted "E" glass yarn with a solventless silicone elastomer. Hence the process has no significant environmental hazard. The minimum size of the glass yarn filaments is greater than 9 microns and offers no hazard from inhalation.

All Vidaflex S300 grades will retain flexibility within the temperature range -60°C to +250°C, and will operate continuously at 180°C and have a short term rating of 250°C.

Grades are available with electric strengths of 1.0 - 10.0kV and types Vidaflex S360 and S367 have guaranteed minimum sleeving wall thicknesses of 1.0mm and 0.7mm respectively to meet Approval Authority requirements. Vidaflex S300 series insulating sleeveings are classed as self-extinguishing. Vidaflex S350 has U.L and CSA recognition and Vidaflex SD350 has UV resistance.

Vidaflex S300 series insulating sleeveings employing a knitted glass substrate do not exhibit the ultimate mechanical strength of a braided substrate or bore extensibility as per Vidaflex S500 series but are an economic alternative for use in many application, particularly, where short lengths (<200mm) are required

Vidaflex S320 has been specifically developed for use in wiring harness applications where the primary requirement is to bunch and contain cables and provide mechanical protection rather than enhance electric strength

Product Description	S300	SD350	S375	S360	S367
Thermal Classification	Class H 180°C	Class H 180°C	Class H 180°C	Class H 180°C	Class H 180°C
Maximum Short Term Temperature	250°C	250°C	250°C	250°C	250°C
Bore Sizes	1.0 - 25.0mm	1.0 - 25.0mm	4.0 - 20.0mm	1.0 - 25.0mm	2.0 - 22.0mm
Wall Thickness (Min)					
Bore Sizes 1.0 - 10.0mm	0.6mm	0.8mm	1.0mm	Minimum	Minimum
12.0 - 20.0mm	0.8mm	1.0mm	1.3mm	1.0mm	0.7mm
25.0mm	1.4mm	1.4mm	1.5mm		
Electric Strength @ 20°C					
Tested to IEC 684 - 2	2.0kV/1 min	4.0kV/1 min	10kV/1 min	6.0kV/1 min	4.0kV/1 min
ASTM D350	2500V	7000V	7000V	7000V	7000V

Format—Continuous/Cut Lengths  
Standard Reel Lengths

1.0 - 3.5mm      250 Metres  
4.0 - 8.0mm      100 Metres  
9.0—25.0mm      50 Metres

Product Description	S320	S350
Specification	Not Applicable	UL Recognition CSA Approval
Thermal Classification	Class H 180°C	UL Rating 200°C
Maximum Short Term Temperature	250°C	250°C
Electric Strength @ 20°C	1.0kV	4kV/1 min Tested IEC 684-3-400 DIN 40.620) Grade B ASTM D372) 4.0kV NEMA VS-1) UL Rating 600V
Flammability		
SE – Self Extinguishing	SE	SE

The data given is believed to be correct but it does not form a specification and may be subject to alteration without notification

Hilltop Products (Insulation Sleeveings) Ltd cannot be aware of all the customer applications and processes for our products, hence, Hilltop Products (Insulation Sleeveings) Ltd make no warranty confirming the fitness or suitability of a product for any particular use.

Any propose application of a Hilltop Products (Insulation Sleeveings) Ltd product should be tested and satisfactory performance independently confirmed