

## IDENTIFICATION SLEEVE DATA SHEET

### GLASS FIBER (V) - POLYURETHANE RESIN (P)

#### IDENTIFICATION

**VP3**

#### FACTORY:

- NAME ELEXA SRL

- ADDRESS VIA ALLE FABBRICHE N. 20 - 10072 CASELLE TORINESE (TO)

- MARKING  
(STAMPIGLIATURA) .....  
(FILO DISTINTIVO) .....

#### TYPE

FLEXIBLE GLASS BRAID, TYPE E, COATED WITH POLYURETHANE RESIN  
CROSSLINKED - NOMINAL INSULATION LEVEL 3 KV

PECULIARITIES THERMICAL PERFORMANCES: CLASS F STABLE

- WHERE USE IT HEAVY THERMICAL CONDITIONS; LIMITED DIMENSIONAL WORK  
CONDITIONS; HIGH THERMICAL CONCENTRATION.  
ELECTRICAL AD GAS COOKERS, LIGHTING, HOVENS, AUTOMA-  
TIONS, PRODUCTION MACHINERY.

- WHERE AVOID IT HIGH MECHANICAL VIBRATIONS RESISTANCE

## SLEEVE DESCRIPTION

ELECTRICAL INSULATING SLEEVE ,INTERNAL BRAID IN FIBERGLASS, POLYURETHANE RESIN IMPREGNATION THERMAL—CLASS F.  
AVAILABLE IN STANDARD TYPE 3 KV, OR IN LOW THICKNESS SPECIAL FEATURE 1,5 KV

### TECHNICAL DATA

MAX OPERATING VOLTAGE: 3 KV  
EXERCISE TEMPERATURE: 150 GRADES °C  
MAX TEMPERATURE: 160 GRADES °C  
MINIMUM WORKING TEMPERATURE: -50 GRADES °C  
MINIMUM RADIUS BENDING: 6 TIMES MAX ESTERNAL DIAMETER  
MAX TRACTION RESISTANCE: 50 N/mmq

### MORE INFO

REF. OUR CATALOGUE  
or  
WEB SITE [www.elexa.it](http://www.elexa.it)

### PARTS LIST

FIRST INSULATION: TEXTILE FIBERGLASS BRAIDING  
COATING: POLYURETHANE RESIN, CROSSLINKED

### RANGE

DIAMETERS AVAILABLE FROM 0,5 UP 24 MM INTERNAL SIZE  
STANDARD COLOURS: SINGLE 4 COLOURS  
STANDARD OPERATING VOLTAGE: 3 KV

## GENERAL INFORMATIONS

- GOOD CUT PERFORMANCE
- NORMAL OPERATION IN F THERMAL CLASS
- GOOD PERFORMANCE UP TO 160 °C (SHORT TIME)
- AGE MODIFICATIONS NOT DETECTABLE
- GOOD TRACTION RESISTANCE
- FIBERS IMPREGNATION BETTER THAN 98% OF AVAILABLE VOLUME

## TESTS AND REFERENCE NORMS

### LABORATORY

TEST	CHECK	METHOD	CYCLE	RESULTS
DIMENSIONAL	DIAM.SINGLE	CEI 20-34	EVERY 100 KM	INTO STANDARD
DIELECTRIC STRENGTH	BREAKDOWN IN LABORATORY	CEI 20-19/2	EVERY 100 KM	NO FAULTS
SURFACE RESISTIVITY	OHMS RESISTANCE	CEI 20-34	EVERY 100 KM	FOLLOWING CEI 20-29
MECHANICAL	ELONGATION AT BREAK	CEI 20-34	EVERY 100 KM	MINIMUM 200 %

### PACKAGING

TEST	CHECK	METHOD	CYCLE	RESULTS
DIELECTRIC STRENGTH	SAMPLES ON PACKAGE LINE	CEI 20-19/2	0,01 %	FAULTS ELIMINATION
DIMENSIONAL	DIMENSIONAL RANGE	CEI 20-34	0,01 %	INTO RANGE

## ELECTROPHISICAL COMPARATION MAIN SLEEVE TYPES

	VP3.0	VAP	VAS	VGS	ELASIL	PVR	PTR
<b>COMPORAMENTO AL TAGLIO</b> CUT & SHEARING PERFORM. COUPAGE ET DENOUAGE							
<b>FORMAZIONE DI POLVERI</b> POWDERS IN USE PROD. DE POUFRE							
<b>FISSAGGIO DEL RIVESTIMENTO</b> BRAID FIXING FIXATION DU REVETEMENT							
<b>TEMPERATURA DI ESERCIZIO</b> OPERATING TEMPERATURE TEMPERATURE DE SERVICE	-30+155°C	-30+200°C	-50+250°C	-50+200°C	-50+200°C	-30+120°C	-40+140°C
<b>TENSIONE DI ESERCIZIO</b> OPERATING VOLTAGE TENSION DE SERVICE	600 V	220 V	220 V	600 V	600 V	380 V	380 V
<b>TENSIONE DI COLLAUDO</b> TEST VOLTAGE TENSION D'ESSAI	3 KV	0,7 KV	0,7 KV	1/2,5/4 KV	2 KV	2 KV	2 KV
<b>TENSIONE DI PERFORAZIONE</b> BREAKDOWN VOLTAGE TENSION DE CLAQUAGE	> 3 KV	> 1 KV	~ 1 KV	> 5 KV	~ 3 KV	~ 3 KV	~ 3 KV
<b>QUALITA' MECCANICHE</b> MECHANICAL PROPERTIES PROPRIETE' MECANIQUES							
<b>RESISTENZA ALL'ABRASIONE</b> ABRASION RESISTANCE RESISTANCE A L'ABRASION							
<b>RESISTENZA ALLA FIAMMA</b> FIRE RESISTANCE RESISTANCE AU FEU							
<b>RESISTENZA AGLI OLII MINERALI</b> MINERAL OEL RESISTANCE RESISTANCE AUX HUILES							
<b>FLESSIBILITA'</b> FLEXIBILITY FLEXIBILITE'							
<b>IMPERMEABILITA'</b> IMPERMEABILITY ETANCHEITE'							
<b>INVECCHIAMENTO</b> AGEING VIEILLISSEMENT							
<b>DIAMETRI LAVORATI mm</b> AVAILABLE SIZES DIAMETRE DISPONIBLES	0,5-10mm	0,5-10	0,35-240	0,35-240	0,35-240	0,35-240	0,5-10
<b>COLORI</b> COLORS COLEURS	4 COL	2 COL	2COL	6 COL	6 COL	5 COL	5 COL