

**SEMI-CONDUCTIVE AND KRAFT CREPE PAPER GRADES
FOR MV POWER CABLES WITH XLPE INSULATION
STANDARD VDE0276-T.620 / IEC502 1996**



**SEMI-CONDUCTIVE CREPE PAPER GRADES
(SEPARATOR WITHIN OUTER CONDUCTIVE EXTRUSION AND COPPER SCREEN) ACCORDING
TO STD VDE0276-T.620 / IEC502 1996**

	UoM	SEM101	SEM111	SEM169
BASE PAPER WEIGHT	gsm	70	80	
CREPE PAPER WEIGHT	gsm	100 ± 10	120 ± 10	170 ± 10
THICKNESS (CREPE)	mm.	0,25 ± 0,05	0,35 ± 0,05	0,55 ± 0,08
THICKNESS (STRETCHED)	mm.	0,16	0,25	0,35
DENSITY	gr/cm ³	0,400	0,345	0,340
TENSILE STRENGTH. MD	N/15mm	> 38N	> 35N	> 40 N
ELONGATION MD	%	> 40%	> 35%	> 45%
ACQUEOUS EXTRACT	Ph	06-08	06-08	06-08
COND.ACQUEOUS EXTR.	mS/m	< 20	< 16	< 20
ASH CONTENT	%	< 1	< 1	< 1
SURFACE RESISTANCE *	Ohm/1000	< 7	< 10	< 9
LONGIT. RESISTANCE**	Ohm x cm.	< 700	< 1.000	< 800
VOLUME RESISTIVITY ***	Ohm x cm.	< 100.000	< 100.000	< 60000

* LINDEBLATT METHOD

** INTERNAL METHOD

*** RUGOVSKI METHOD

STANDARD:
VDE0276-T.620:
N2XS2Y/N2XS(F)2Y/
NA2XS2Y/NA2XS(F)2Y

IEC502 1996:
2XS2Y/2XS



CONDUCTOR

INNER SEMICOND. LAYER

XLPE INSULATION

OUTER SEMICOND. LAYER

SEMICONDUCTIVE CREPE

COPPER SCREEN

KRAFT CREPE

OUTER PVC JACKET

**KRAFT CREPE PAPER GRADES
(SEPARATOR WITHIN COPPER SCREEN AND OUTER PVC EXTRUSION)**

	UoM	KRA 100	KRA131	KRA151	KRA170
BASE PAPER WEIGHT	gsm	70	80	100	120
CREPE PAPER WEIGHT	gsm	100 ± 5	130 ± 5	150 ± 7	180 ± 7
THICKNESS (CREPE)	mm.	0,30 ± 0,03	0,34 ± 0,04	0,34 ± 0,04	0,55 ± 0,05
THICKNESS (STRETCHED)	mm.	0,20	0,25	0,25	0,35
DENSITY	gr/cm ³	0,350	0,380	0,440	0,350
TENSILE STRENGTH. MD	N/15mm	> 36N	> 45N	> 55N	> 55N
ELONGATION MD	%	> 45%	> 45%	> 35%	> 30%
ACQUEOUS EXTRACT	Ph	06-08	06-08	06-08	06-08

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001

