PRYSMIAN

אטקה

כבלי אלומיניום KV 18/30

A brand of the Prysmian Group

SCHEDULE OF GUARANTEED CHARACTERISTICS

GENERAL :

- Type of cable	:	N2XS(F)2Y 1x95/16	N2XS(F)2Y 1x120/16	NA2XS(F)2Y 1x150/25	NA2XS(F)2Y 1x185/25	N2XS(F)2Y 1x240/25	N2XS(F)2Y 1x300/25
- Applicable standards	:	SI 1516-2	SI 1516-2	SI 1516-2	SI 1516-2	SI 1516-2	SI 1516-2
- Rated voltage kV	:	18/30	18/30	18/30	18/30	18/30	18/30

DIMENSIONAL CHARACTERISTICS:

- Cross-sectional area of conductors mm²	:	95	120	150	185	240	300
- Material of conductor	:	Aluminium (Circular, stranded)	Aluminium (Circular, stranded)	Aluminium (Circular, stranded)	Aluminium (Circular, stranded,)	Aluminium (Circular, stranded)	Aluminium (Circular, stranded)
- Approx.diameter of conductor mm	:	11.4	12.6	14.1	15.8	18.1	20.3
- Material of inner semi conducting layer (conductor screen)	:	Semi-conducting XLPE	Semi-conducting XLPE	Semi-conducting XLPE	Semi-conducting XLPE	Semi-conducting XLPE	Semi-conducting XLPE
- Approx.thickness of inner semi conducting layer mm	:	0.5	0.5	0.5	0.5	0.5	0.7
- Material of insulation	:	XLPE	XLPE	XLPE	XLPE	XLPE	XLPE
- Nominal thickness of insulation mm	:	8.0	8.0	8.0	8.0	8.0	8.0
- Material of outer semi conducting layer (insulation screen)	:	Semi-conducting XLPE	Semi-conducting XLPE	Semi-conducting XLPE	Semi-conducting XLPE	Semi-conducting XLPE	Semi-conducting XLPE
- Approx.thickness of outer semi conducting layer mm	:	0.4	0.4	0.4	0.4	0.4	0.4
- Material of metallic screen	:	Copper wires and binder copper tape	Copper wires and binder copper tape	Copper wires and binder copper tape	Copper wires and binder copper tape	Copper wires and binder copper tape	Copper wires and binder copper tape
- Cross-sectional area of metallic screen mm²	:	16	16	25	25	25	25
- Material of outer sheath mm	:	PE	PE	PE	PE	PE	PE
- Colour of outer sheath	:	Black	Black	Black	Black	Black	Black
- Minimum thickness at any point of outer sheath mm	:	1.48	1.48	1.56	1.56	1.64	1.72
- Approx.diameter of completed cable mm	:	38	39	41	42	45	48
- Approx. weight of cable kg/km	:	1215	1320	1540	1695	1930	2220

MECHANICAL CHARACTERISTICS

- Minimum bending radius of cable	:	15xD*	15xD*	15xD*	15xD*	15xD*	15xD*
- Minimum laying temperature of cable °C	:	+2	+2	+2	+2	+2	+2
- Pulling force (with pulling head attached to conductor) N	:	2850	3600	4500	5550	7200	9000

ELECTRICAL CHARACTERISTICS :

- Max.D.C.resistance of conductor at 20°C Ohm/km	:	0.320	0.253	0.206	0.164	0.125	0.100
- Max.permissible continous conductor temperature °C	:	90	90	90	90	90	90
- Max.permissible conductor temperature during short circuit.(max 5 se °C	:	250	250	250	250	250	250
- Short circuit current of conductor for 1 sec (Adiabatic) kA	:	8.9	11.3	14.1	17.4	22.6	28.2
- Short circuit current of copper screen for 1 sec (Non adiabatic) kA	:	3.1	3.1	4.9	4.9	4.9	4.9

* D=Overall diameter of cable (mm)

MARKING :EMBOSSED

D PRYSMIAN NA2XS(F)2Y 1x95/16 18/30 kV SI 1516-2 YEAR OF MANUFACTURE - METER