

SCHEDULE OF GUARANTEED CHARACTERISTICS

טקסה בע"מ 972-732001333 Tel.:

GENERAL :

		20359254	20359000	20359271
- Type of cable	:	N2XS(F)2Y 1x95/16	N2XS(F)2Y 1x185/25	N2XS(F)2Y 1x300/25
- Applicable standards	:	SI 1516-2	SI 1516-2	SI 1516-2
- Rated voltage	kV :	18/30	18/30	18/30

DIMENSIONAL CHARACTERISTICS:

- Cross-sectional area of conductors	mm ² :	95	185	300
- Material of conductor	:	Copper (Circular, stranded)	Copper (Circular, stranded)	Copper (Circular, stranded)
- Approx.diameter of conductor	mm :	11.3	15.7	20.3
- Material of inner semi conducting layer (conductor screen)	:	Semi-conducting XLPE	Semi-conducting XLPE	Semi-conducting XLPE
- Approx.thickness of inner semi conducting layer	mm :	0.5	0.5	0.7
- Material of insulation	:	XLPE	XLPE	XLPE
- Nominal thickness of insulation	mm :	8.0	8.0	8.0
- Material of outer semi conducting layer (insulation screen)	:	Semi-conducting XLPE	Semi-conducting XLPE	Semi-conducting XLPE
- Approx.thickness of outer semi conducting layer	mm :	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
- Cross-sectional area of metallic screen	mm ² :	16	25	25
- Material of outer sheath	mm :	PE	PE	PE
- Colour of outer sheath	:	RED + UV	RED + UV	RED + UV
- Minimum thickness at any point of outer sheath	mm :	1.48	1.56	1.72
- Approx.diameter of completed cable	mm :	38	42	48
- Approx. weight of cable	kg/km :	1770	2765	3995

MECHANICAL CHARACTERISTICS

- Minimum bending radius of cable	:	15xD*	15xD*	15xD*
- Minimum laying temperature of cable	°C :	+2	+2	+2
- Pulling force (with pulling head attached to conductor)	N :	4750	9250	15000

ELECTRICAL CHARACTERISTICS :

- Max.D.C.resistance of conductor at 20°C	Ohm/km :	0.1930	0.0991	0.0991
- Max.permmissible continous conductor temperature	°C :	90	90	90
- Max.permmissible conductor temperature during short circuit.(max 5 sec.	°C :	250	250	250
- Short circuit current of conductor for 1 sec (Adiabatic)	kA :	13.6	26.5	42.9
- Short circuit current of copper screen for 1 sec (Non adiabatic)	kA :	3.1	4.9	4.9

* D=Overall diameter of cable (mm)

MARKING :EMBOSED

□PRYSMIAN N2XS(F)2Y 1x95/16 18/30 kV SI 1516-2 UV ISO 4892-2 YEAR OF MANUFACTURE METER

Information and data contained in the chart are prepared with due diligence and long analysis, accuracy of which is guaranteed within the integrity of whole information and data. Even the tiniest amendment will trigger repetition of the same procedure. Therefore, if a change is requested on data, you are requested to apply to Prysmian with such request, drawing specific attention to the planned changes. Upon which Prysmian shall approve in writing by repeating the same analysis procedure. Prysmian, shall not be held liable from changes made unilaterally, without following the due procedure. No action by Prysmian, shall be construed as implicit approval to such changes.