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SCHEDULE OF GUARANTEED CHARACTERISTICS

- **SAP NO**

GENERAL :

- Type of cable	:	N2XS(F)2Y 1x50/16
- Applicable standards	:	SI 1516-2
- Rated voltage	kV :	18/30

DIMENSIONAL CHARACTERISTICS:

- Cross-sectional area of conductors	mm <sup>2</sup> :	50
- Material of conductor	:	Copper (Circular, stranded)
- Approx.diameter of conductor	mm :	7,98
- Material of inner semi conducting layer (conductor screen)	:	Semi-conducting XLPE
- Approx.thickness of inner semi conducting layer	mm :	0,5
- Material of insulation	:	XLPE
- Nominal thickness of insulation	mm :	8,0
- Material of outer semi conducting layer (insulation screen)	:	Semi-conducting XLPE
- Approx.thickness of outer semi conducting layer	mm :	0,4
- Material of metallic screen	:	Copper wires and copper tape
- Cross-sectional area of metallic screen	mm <sup>2</sup> :	16
- Material of outer sheath	mm :	PE
- Colour of outer sheath	:	RED + UV Resistance as per ISO 4892-2
- Minimum thickness at any point of outer sheath	mm :	1,40
- Approx.diameter of completed cable	mm :	34,0
- Approx. weight of cable	kg/km :	1230

MECHANICAL CHARACTERISTICS

- Minimum bending radius of cable	:	15xD*
- Minimum laying temperature of cable	°C :	+2
- Pulling force (with pulling head attached to conductor)	N :	2500

ELECTRICAL CHARACTERISTICS :

- Max.D.C.resistance of conductor at 20°C	Ohm/km :	0,3870
- Max.permmissible continous conductor temperature	°C :	90
- Max.permmissible conductor temperature during short circuit.(max 5 sec.)	°C :	250
- Short circuit current of conductor for 1 sec (Adiabatic)	kA :	7,15
- Short circuit current of copper screen for 1 sec (Non adiabatic)	kA :	3,1

\* D=Overall diameter of cable (mm)

MARKING :EMBOSSSED

□PRYSMIAN N2XS(F)2Y 1x50/16 18/30 kV SI 1516-2 AR OF MANUFACTURE METER

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