

# HABIATRON



Drawing Number <b>700039341</b>	Revision No <b>00</b>	Status <b>Released</b>	Phase <b>Proposal for Production</b>
Description <b>M/TPC 1601/1,94 - STQ 50x2</b>		Habia Inspection Plan (HIP)	Page 1 of 1
Customer Product Number		Created by C. Vestey	Approved by C. Vestey
Customer Product Description		Creation Date 2011-12-21	Approval Date 2011-12-21

Technical Data	Values at +20° C	Unit
Conductor Resistance	Max: 16.5 (5.03)	Ω/km (Ω/1000ft)
Insulation Resistance	Min: 1500	MΩ x km
Test Voltage	5 min, 7.5	kV DC
Voltage Rating	600 / 1000	V AC
Radiation Tolerance	Max 2.4*10 <sup>6</sup>	Gy
Weight	1960	g / m
Temperature Rating	Max conductor temperature, 40 years: 90	°C

## RoHS Compliant.

All dimensions in mm (inch), unless otherwise stated.

Pos	Description	Dimension	Overall Diameter	Overall Diameter (Inches)
1.	Solid, tin plated copper conductor	16 AWG	1,29	0.050"
	Insulation of HFI 260, natural and marked with numbers	0,325 (0.012")	1,94	0.076"
2.	Binder, non-woven polyester	1x 50%	7,7	0.303"
3.	Binder, non-woven polyester	1x 50%	14,9	0.586"
4.	Binder, non-woven polyester	1x 50%	22,1	0.870"
5.	Binder, non-woven polyester	1x 50%	29,3	1.153"
6.	Cu/PET foil screen		29,5	1.161"
7.	Drain wire	16 AWG	1,29	0.050"
8.	Binder, non-woven polyester	1x 50%	31,0	1.220"
9.	Jacket of HFS 105 XL type B, Black	2,30 (0.090")	35.6 37.0 max	1.401" 1.456"

Jacket marking with meter indication in yellow colour, intervals of 1,0 m ±0,02 m:

**Nuclear-EQ POxxxxx Habia Cable AB 600V HFI260/HFS 105 XL type B 700039341 - YYYY-Www - batchcode - L m**

YYYY-Www to be replaced with year and week of manufacture.

Batchcode to be replaced with manufacturers traceability code

L indicates continuous meter marking and is replaced with actual length.

xxxxx to be replaced by customer purchase order number

