

CABLE DRAWING

Habia Cable

Drawing Number 700041836	Revision No 00	Status Released	Phase Proposal for Production
Description M/TPC 1601/1.94 - STQ 7x2		Habia Inspection Plan (HIP) HIP-G-420	Page 1 of 1
Customer Product Number		Created by T. Nälsén	Approved by T. Nälsén
Customer Product Description		Creation Date 2012-05-13	Approval Date 2012-05-13

Technical Data	Values at +20° C	Unit
Conductor Resistance	Max 16.5	Ω/km
Insulation Resistance	Min 1500	MΩ x km
Test Voltage	5 min: 7.5	kV DC
Voltage Rating	600	V AC
Radiation Tolerance	2*10 ⁶	Gy
Weight	330	g / m
Oxygen index	40%	ISO 4589
Temperature Rating	Insulation, 60 years: 90	°C

RoHS Compliant.

All dimensions in mm, unless otherwise stated.

Pos	Description	Dimension	Overall Diameter	Remarks
1.	Tin-plated copper conductor	16 AWG	1.29	Solid conductor
	Insulation of HFI 260, natural and number marked	t = 0.32	1.94	
2.	Binder, non-woven polyester			
3.	Cu/PET foil	t = 0.05		
4.	Binder, polyester foil		12.2	
5.	Tin-plated copper wire	16 AWG	1.29	Solid conductor
6.	Jacket of HFS 105 XL type B, Black	t = 1.30	14.8	

Jacket marking with meter indication in contrasting colour, intervals of 1,0 m ±0,02 m:
Habia Cable – 300V – HFI260/HFS 105 XL type B – 700041836 – YYYY-Www – batchcode – L m
 YYYY-Www to be replaced with year and week of manufacture.
 Batch code to be replaced with manufacturers traceability code
 L indicates continuous meter marking and is replaced with actual length.

Min bend radius, pulling: 205 mm
 Min bend radius, training: 105 mm
 Max pulling tension: 131 kg

