CABLE DRAWING

Habia Cable

Article Number/Doc Number	Revision No	Status	Phase
3000039300	**08**	**Released**	**Production**

Description	Habia Inspection Plan (HIP)	Page
RG 393 (M)	HIP-G-302	1 of 1

Customer Product Number	Created by	Approved by
	M. Oseloff	H. Jeschke

Customer Product Description	Creation Date	Approval Date
	2020-02-12	2020-02-12

Intended Use	Primarily as transmission line in high frequency applications.	CE

Technical Data	Values at +20° C	Unit
Conductor Resistance	max 4,98	Ω/km
Insulation Resistance	>5000	MΩ x km
Test Voltage	core: 1 min: 15 kV DC; sparktest jacket: 2 kV AC	kV DC
Voltage Rating	600	V AC
Capacitance	nom 94; max 105	nF / km
Impedance	50 ± 2	Ω
Attenuation	max 16,4	dB / 100m @ 400 MHz
Weight	max 260	g / m
Temperature Rating	-65 / +200	°C

Reference standards/specifications

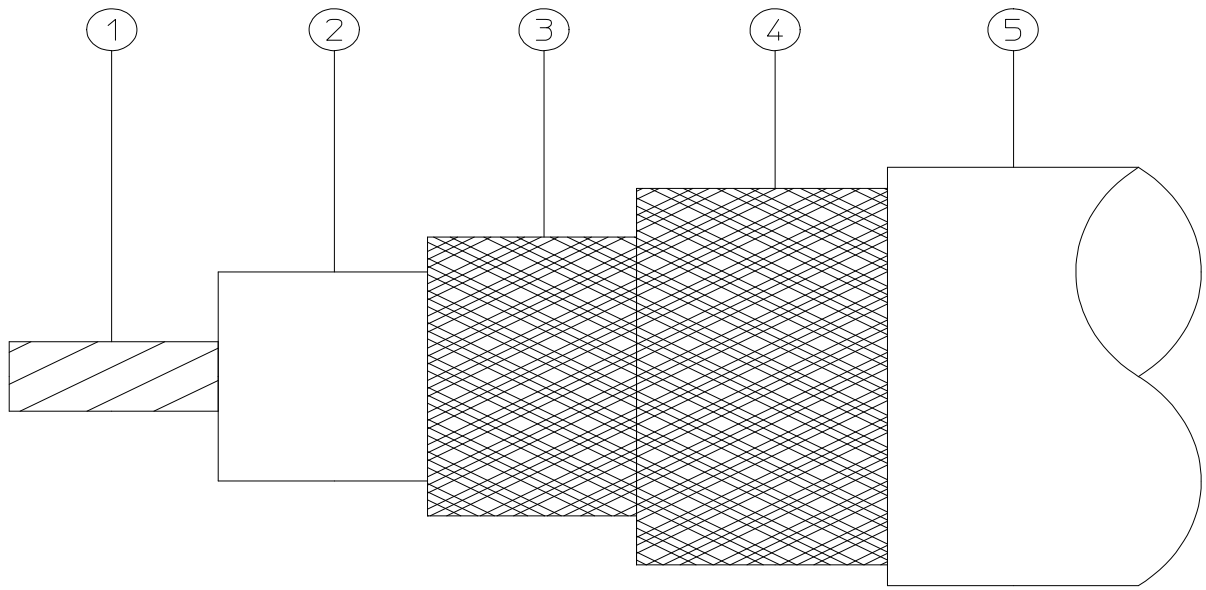
All dimensions in mm, unless otherwise stated.

Pos	Description	Dimension	Overall Diameter	Remarks
1.	Silver plated copper conductor		2.38	Max 2.43
2.	Dielectric of solid PTFE, natural		7.24 ± 0.13	
3.	Braid of silver plated copper wire	d = 0.16	8.0	
4.	Braid of silver plated copper wire	d = 0.16	8.7 max 9.14	
5.	Jacket of FEP, Brown-transparent	t nom = 0.60	9.90 ± 0.25	

Jacket marking in contrasting colour (every 250mm):
RG 393 – Habia Cable – 30000-393-00 – YYYY-Www – Batchcode
YYYY-Www to be replaced with year and week of production
Batchcode to be replaced with manufacturers traceability code

Design generally in accordance with M17/174-00001 acc to MIL-DTL-17

Flame retardant acc to IEC 60332-1 and UL 1581 VW-1



This drawing remains a property of HABIA CABLE and it is forbidden to copy, show or give it to third part or person without our written permission.