CABLE DRAWING

Article Number/Doc Number	Revision No	Status	Phase
3000030300	**04**	**Released**	**Production**

Description	Habia Inspection Plan (HIP)	Page
RG 303 (M)	HIP-G-302	1 of 1

Customer Product Number	Created by	Approved by
	M. Oseloff	T. Kowitz

Customer Product Description	Creation Date	Approval Date
	2018-10-17	2018-10-18

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

Technical Data	Values at +20° C	Unit
Conductor Resistance	max 58,9	Ω/km
Insulation Resistance	>5000	MΩ x km
Test Voltage	Core: 1 min: 5 kV AC; jacket 2	KV DC
Voltage Rating	max 1400	V AC
Capacitance	nom 94; max 105	nF / km
Impedance	50 ± 2	Ω
Attenuation	max 28,2	dB / 100m @ 400 MHz
Weight	max 58	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-covered steel conductor, hard	SCWH	0,940 ± 0,025	1 x 0,940
2.	Dielectric of solid PTFE, natural		2,95 ± 0,13	
3.	Braid of silver plated copper wire	d = 0,127	3,55 ± 0,15	
4.	Jacket of FEP, Brown-transparent	t = 0,38	4,32 ± 0,13	

Jacket marking in contrasting colour (every 250mm):
RG 303 – Habia Cable – 30000-303-00 – 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 M17/170-00001 acc to MIL-DTL-17

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