

# CABLE DRAWING



Article Number/Doc Number <b>3000014200</b>	Revision No <b>05</b>	Status <b>Released</b>	Phase <b>Production</b>
Description <b>RG 142 B/U (M)</b>		Habia Inspection Plan (HIP) HIP-G-302	Page 1 of 1
Customer Product Number		Created by H. Jeschke	Approved by M. Oseloff
Customer Product Description		Creation Date 2018-09-14	Approval Date 2018-09-17

Intended Use	Primarily as transmission line in high frequency applications		<b>CE</b>	
Technical Data	Values at +20° C			Unit
Conductor Resistance	max 63,9		Ω/km	
Insulation Resistance	>5000		MΩ x km	
Test Voltage	Core: 1 min: 5 kV AC; jacket 2		KV AC	
Voltage Rating	600		V AC	
Capacitance	nom 94; max 105		nF / km	
Impedance	50 ± 2		Ω	
Attenuation	max 38,3		dB / 100m @ 400 MHz	
Weight	max 83,3		g / m	
Temperature Rating	-65 / +200		°C	
<b>All dimensions in mm, unless otherwise stated.</b>				
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	3,50 ± 0,15	
4.	Braid of silver plated copper wire	d = 0,127	4,10 ± 0,15	
5.	Jacket of FEP, Brown-transparent	t = 0,43	4,95 ± 0,13	
Jacket marking in contrasting colour (every 250mm): <b>RG 142 – Habia Cable – 30000-142-00 – YYYY-Www – Batchcode</b> YYYY-Www to be replaced with year and week of production Batchcode to be replaced with manufacturers traceability code				

Design generally in accordance with M17/158-00001 acc to MIL-DTL-17

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

