

# CABLE DRAWING



Article Number/Doc Number <b>3000031690</b>	Revision No <b>01</b>	Status <b>Released</b>	Phase <b>Production</b>
Description <b>RG 316 (M) Unmarked</b>		Habia Inspection Plan (HIP) HIP-G-302	Page 1 of 1
Customer Product Number		Created by S. Bueckmann	Approved by H. Jeschke
Customer Product Description		Creation Date 2018-08-09	Approval Date 2018-08-13

Intended Use	Primarily as transmission line in high frequency applications.	<b>CE</b>
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Technical Data	Values at +20° C	Unit
Conductor Resistance	max 275	Ω/km
Insulation Resistance	>5000	MΩ x km
Test Voltage	1 min 2 kV AC or 4	KV DC
Voltage Rating	900	V AC
Capacitance	nom 94; max 105	nF / km
Impedance	50 ± 2	Ω
Attenuation	max 68,9	dB / 100m @ 400 MHz
Weight	max 18,1	g / m
Temperature Rating	-65 / +200	°C

All dimensions in mm, unless otherwise stated.

Pos	Description	Dimension	Overall Diameter	Remarks
1.	Silver plated copper-covered steel conductor, soft	SCWS	0,51	7 x 0,17
2.	Dielectric of solid PTFE, natural		1,52	
3.	Braid of silver plated copper wire	d = 0,10	2,00	
4.	Jacket of FEP, Brown-transparent	t = 0,25	2,49 ± 0,10	

Design generally in accordance with M17/113-RG316 acc to MIL-DTL-17

No jacket marking

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

