

CABLE DRAWING



Article Number/Doc Number 3000031605	Revision No 04	Status Released	Phase Production
Description RGD 316 (M)		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 2018-07-26	Approval Date 2018-07-26

Intended Use	Primarily as transmission line in high frequency applications.	CE
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 27,5	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	0,54	7 x 0,18
2.	Dielectric of solid PTFE, natural		1,52 ± 0,07	
3.	Braid of silver plated copper wire	d = 0,10	2,00	
4.	Braid of silver plated copper wire	d = 0,10	2,40	
5.	Jacket of FEP, Brown-transparent		2,90 ± 0,10	

Jacket marking in contrasting colour, intervals of 250 mm:

RGD 316 (M) - Habia Cable – 30000-316-05 - YYYY-Www - Batchcode

YYYY-Www to be replaced with year and week of manufacture

Batchcode to be replaced with manufacturers traceability code

Design generally in accordance with M17/113-RG316 acc to MIL-DTL-17 (extra braid added)

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

