

CABLE DRAWING



Article Number/Doc Number 3000017801	Revision No 04	Status Released	Phase Production
Description RG 178 (M)		Habia Inspection Plan (HIP) HIP-G-302	Page 1 of 1
Customer Product Number		Created by M. Oseloff	Approved by H. Jeschke
Customer Product Description		Creation Date 2018-06-04	Approval Date 2018-06-04

Intended Use	Intended for use primarily as transmission line in high frequency applications		CE	
Technical Data	Values at +20° C			Unit
Conductor Resistance	max 802		Ω/km	
Insulation Resistance	>5000		MΩ x km	
Test Voltage	1 min 2		KV AC	
Voltage Rating	600		V AC	
Capacitance	nom 94; max 105		nF / km	
Impedance	50 ± 2		Ω	
Attenuation	max 108		dB / 100m @ 400 MHz	
Weight	max 9,3		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, soft	SCWS	0,30	7 x 0,102
2.	Dielectric of solid PTFE, natural		0,87	
3.	Braid of silver plated copper wire	d = 0,10	1,30	
4.	Jacket of FEP, Brown-transparent	t = 0,25	1,80 ± 0,10	
Jacket marking in contrasting colour (every 250mm): RG 178 – Habia Cable – 30000-178-01 - 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 M17/93-RG178 acc to MIL-DTL-17

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

