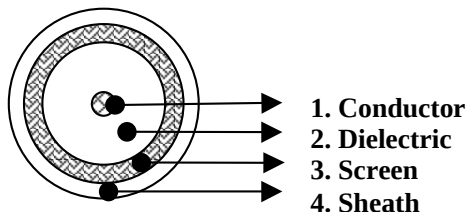


	TECHNICAL DATA SHEET		code	MRG1740
			version	2
			date	2005-11-09
	R.F. CABLE 50 OHM RG 174 U CCS		page	1/2

APPLICATION

Coaxial cable used for Radio-frequency, designed according MIL-C-17F/119F

CONSTRUCTION



1) Conductor	7x0.16 mm copper clad steel wire
Diameter	0.5 mm
2) Dielectric	Solid PE
Diameter	1.50 mm ± 0.10 mm
3) Screen	braid
Material	0.1 mm tinned copper wire
Diameter	1.97 mm ± 0.11 mm
4) Sheath	PVC
Diameter	2.80 mm ± 0.10 mm
Color	black

REQUIREMENTS AND TEST METHODS

Test methods generally in accordance with MIL-C-17F/119F

1) Conductor	
Elongation at break	≥ 1%

3) Screen	
Coverage	86 %

Electrical characteristics

Mean characteristic impedance	50 ± 2 Ohm	
DC resistance inner conductor	≤ 317 Ohm/km	
Capacitance at 1 kHz	100 ± 3 pF/m	
Velocity ratio	0.66 ± 0.02	
Insulation resistance	> 10 ⁴ MOhm.km	
Voltage test of dielectric	3 kV dc	
Corona	≥ 1.5 kV ac	
Return loss at..	100 – 400 MHz	≥ 22.5 dB
	400 – 900 MHz	≥ 19.2 dB

	TECHNICAL DATA SHEET	code	MRG1740
		version	2
		date	2005-11-09
	R.F. CABLE 50 OHM RG 174 U CCS	page	2/2

Electrical characteristics (cont..)

Power rating at..	100 MHz	≤ 50 W
	1000 MHz	≤ 16.5 W
Nominal attenuation at..	400 MHz	80 dB/100m
	1000 MHz	148 dB/100m
Maximum attenuation	10% higher	

MARKING

Text Inkjet printing

POPE VENLO HOLLAND RG 174 U MIL-C-17F

PACKAGING

Code 46968 0025 040	One way reel E 250/100/160 Length 500 m $\pm$ 5% Max. 10 % of the length to be delivered contains a shorter length with a minimum of 250 m. Each reel or coil contains one length of cable
----------------------------	---

Code 46968 0025 153	Ring 200 m $\pm$ 5% Max. 10 % of the length to be delivered contains a shorter length with a minimum of 50 m.
----------------------------	--

Weight	
Total cable	11.50 g/m
Copper	4.82 g/m



Belden CDT believes this product to be in compliance with the environmental regulations EU RoHS (Directive 2002/95/EC, 27 January 2003); this is valid for all material produced after the RoHS compliant date for this product.